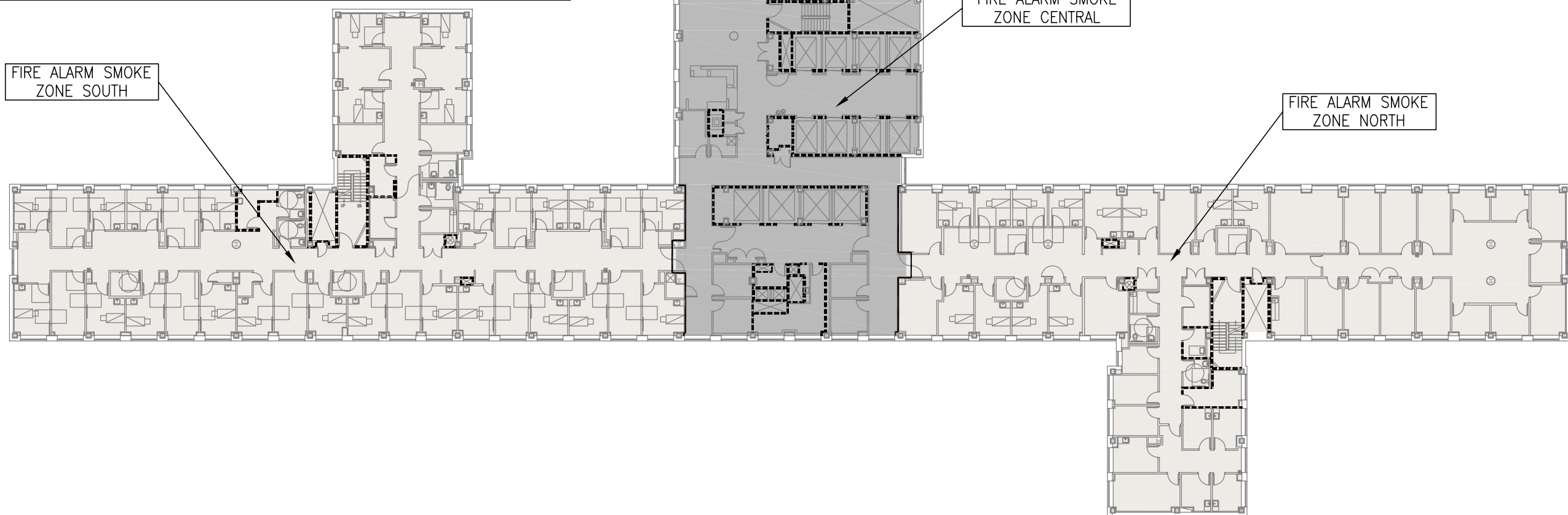


GENERAL NOTES:

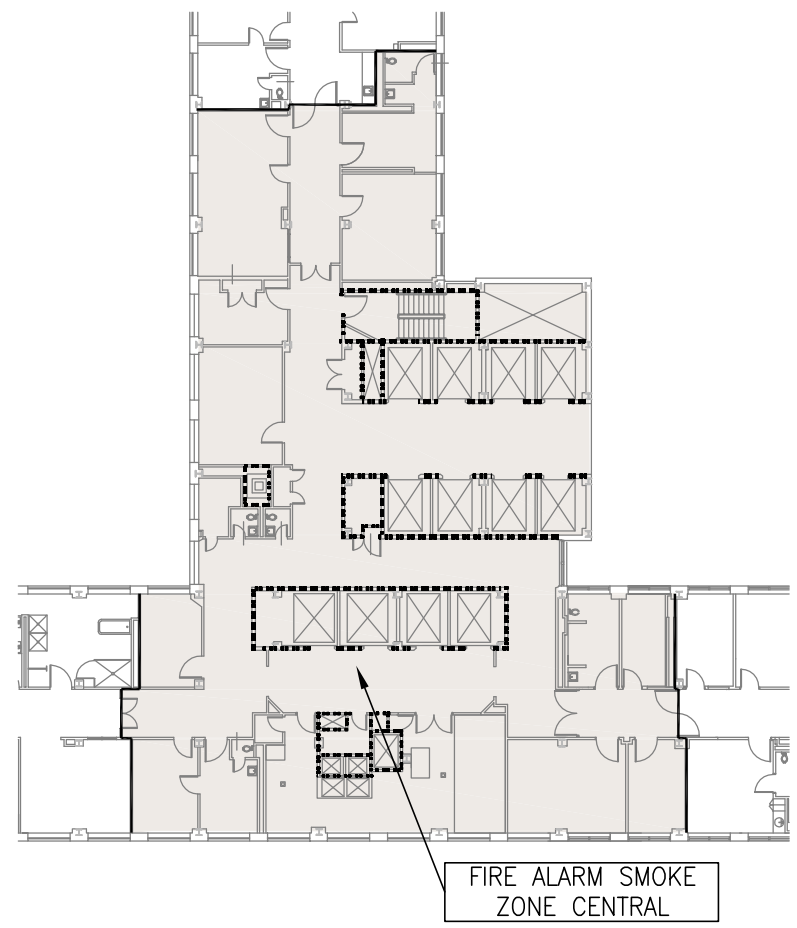
1. FIRE ALARM ZONES SHALL CORRESPOND TO SMOKE ZONES INDICATED IN THIS DIAGRAM. REFER TO LIFE SAFETY DRAWING SERIES 1-G0109 FOR FURTHER INFORMATION.
2. INSTALL FIRE ALARM INITIATING AND NOTIFICATION DEVICES IN THEIR RESPECTIVE ZONES TO PERFORM REQUIRED "FIRE ALARM SYSTEM OPERATION FOR STAFF RESPONSE" DESCRIBED IN THIS DETAIL. REFER TO FIRE ALARM LAYOUT DRAWINGS 1-FA109N, 1-FA109W, AND 1-FA109S FOR DEVICE LOCATIONS.
3. A DIGITIZED VOICE MESSAGE SHALL BE PROVIDED FOR EACH SMOKE ZONE. THE MESSAGE SHALL BE ARRANGED WITH A 3 SECOND ALERT TONE: "CODE RED", BUILDING 1, 9TH FLOOR, SOUTH WING. CUSTOMIZE MESSAGE FOR EACH SMOKE ZONE WITH CORRESPONDING ZONE NAME.
4. FINAL DIGITIZED VOICE MESSAGE FOR EACH RESPECTIVE FIRE ALARM SMOKE ZONE SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL.

FIRE ALARM SYSTEM OPERATION FOR STAFF RESPONSE:

1. UPON OPERATION OF A FIRE ALARM INITIATING DEVICE, THE FIRE ALARM SYSTEM WILL, IN THE ZONE OF ALARM ORIGIN ONLY.
 - 1.1. NOTIFY STAFF/OCCUPANTS BY ACTIVATING A TEMPORAL THREE ALARM SIGNAL AND
 - 1.2. ACTIVATE THE VISIBLE APPLIANCES (STROBES).
2. SIMULTANEOUSLY THE FIRE ALARM SYSTEM WILL SEND A VOICE MESSAGE TO THE REST OF THE BUILDING AND OTHER BUILDINGS AS NECESSARY TO NOTIFY ENOUGH STAFF TO RESPOND TO THE ZONE OF ALARM ORIGIN. NO VISIBLE APPLIANCES WILL BE ACTIVATED OUTSIDE THE ZONE OF ALARM ORIGIN.



C1 FIRE ALARM SMOKE ZONE DIAGRAM - 9TH FLOOR
SCALE: 1/32" = 1'-0"



F1 FIRE ALARM SMOKE ZONE DIAGRAM - PARTIAL 10TH FLOOR
SCALE: 1/32" = 1'-0"

GENERAL NOTES:

1. FIRE ALARM ZONES SHALL CORRESPOND TO THE SMOKE ZONE INDICATED IN THIS DIAGRAM. REFER TO LIFE SAFETY DRAWING 1-G0110 FOR FURTHER INFORMATION.
2. INSTALL FIRE ALARM INITIATING AND NOTIFICATION DEVICES IN THEIR RESPECTIVE ZONES TO PERFORM REQUIRED "FIRE ALARM SYSTEM OPERATION FOR STAFF RESPONSE" DESCRIBED IN THIS DETAIL. REFER TO FIRE ALARM LAYOUT DRAWING 1-FA110 FOR DEVICE LOCATIONS.
3. A DIGITIZED VOICE MESSAGE SHALL BE PROVIDED FOR THE SMOKE ZONE. THE MESSAGE SHALL BE ARRANGED WITH A 3 SECOND ALERT TONE: "CODE RED", BUILDING 1, 10TH FLOOR, CENTRAL WING.
4. FINAL DIGITIZED VOICE MESSAGE SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL.

FIRE ALARM SYSTEM OPERATION FOR STAFF RESPONSE:

1. UPON OPERATION OF A FIRE ALARM INITIATING DEVICE, THE FIRE ALARM SYSTEM WILL, IN THE ZONE OF ALARM ORIGIN ONLY.
 - 1.1. NOTIFY STAFF/OCCUPANTS BY ACTIVATING A TEMPORAL THREE ALARM SIGNAL AND
 - 1.2. ACTIVATE THE VISIBLE APPLIANCES (STROBES).
2. SIMULTANEOUSLY THE FIRE ALARM SYSTEM WILL SEND A VOICE MESSAGE TO THE REST OF THE BUILDING AND OTHER BUILDINGS AS NECESSARY TO NOTIFY ENOUGH STAFF TO RESPOND TO THE ZONE OF ALARM ORIGIN. NO VISIBLE APPLIANCES WILL BE ACTIVATED OUTSIDE THE ZONE OF ALARM ORIGIN.

A6 ELECTRICAL GENERAL NOTES

- A. FOR EXACT LOCATION AND FINISH SURFACE CONDITIONS OF CEILING, WALL, FLOOR MOUNTED DEVICES, REFER TO ARCHITECTURAL DRAWINGS.
- B. FOR EXACT LOCATION OF FACILITY EXPANSION JOINTS, FIRE RATED WALLS AND SMOKE WALLS, REFER TO ARCHITECTURAL DRAWINGS.
- C. VERIFY EXACT LOCATION OF CONNECTION POINTS PRIOR TO CONNECTION.
- D. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.

B6 ELECTRICAL ABBREVIATIONS

- | | |
|------|--------------------------|
| AFF | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UNIT |
| FA | FIRE ALARM |
| FACP | FIRE ALARM CONTROL PANEL |

A8 DIVISION 28 LEGEND

- | | |
|--|---|
| | ALARM, FIRE, MANUAL PULL STATION |
| 15 | ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE, # INDICATES STROBE INTENSITY |
| 15 | ALARM, SPEAKER/LIGHT, ONE ASSEMBLY WITH STROBE, # INDICATES STROBE INTENSITY |
| DETECTOR; LETTER INDICATES AS FOLLOWS: | |
| BLANK = SMOKE DETECTOR | |
| | H = HEAT SMOKE |
| | I = IONIZATION SMOKE |
| | P = PHOTOELECTRIC SMOKE |
| | IH = IONIZATION AND HEAT SMOKE |
| | IP = IONIZATION AND PHOTOELECTRIC SMOKE |
| | PH = PHOTOELECTRIC AND HEAT SMOKE |
| | IPH = IONIZATION, PHOTOELECTRIC, AND HEAT |
| | DETECTOR, SMOKE FOR DUCT |
| | FIRE/SMOKE DAMPER. SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR. |
| | ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET (24-VOLT) |
| | ALARM, FIRE, PANEL; LETTERS INDICATE AS FOLLOWS:
FACP = CONTROL PANEL
FATC = TERMINAL CABINET |
| | SMOKE DETECTOR WITH AUXILIARY CONTACTS, SURFACE CEILING MOUNTED |
| | DUCT SMOKE DETECTOR TEST STATION, 6'-0" AFF |
| | FAN SHUT DOWN RELAY, 7'-0" AFF |
| | FIRE ALARM ADDRESSABLE RELAY (MONITOR/CONTROL POINT) |
| | ALARM, TAMPER SWITCH. PROVIDE WALL MOUNTED 1900 ELECTRICAL JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTED TO EQUIPMENT. REFER TO DETAIL ON FIRE PROTECTION DWG. 1-FX001 FOR FURTHER INFORMATION. |
| | DETECTOR, FLOW SWITCH. PROVIDE WALL MOUNTED 1900 ELECTRICAL JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTED TO EQUIPMENT. REFER TO DETAIL ON FIRE PROTECTION DWG. 1-FX001 FOR FURTHER INFORMATION. |

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ARCHITECT/ENGINEERS:

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Houston ■ Los Angeles ■ Mumbai ■ New York ■ Phoenix
St. Louis ■ San Francisco ■ Shanghai ■ Toronto
Vancouver ■ Victoria ■ Washington DC

Drawing Title

FIRE ALARM SYMBOLS, NOTES,
ABBREVIATIONS AND ZONE DIAGRAMS

Approved Project Director

Project Title

VA NY HARBOR HEALTHCARE SYSTEM
MANHATTAN VAMC - BUILDING 1
9TH FLOOR RENOVATIONS

Date

AUGUST 15, 2013

Checked

IHF

Drawn

MTK

BUILDING IS FULLY SPRINKLERED

Project Number

630PR2600

Building Number

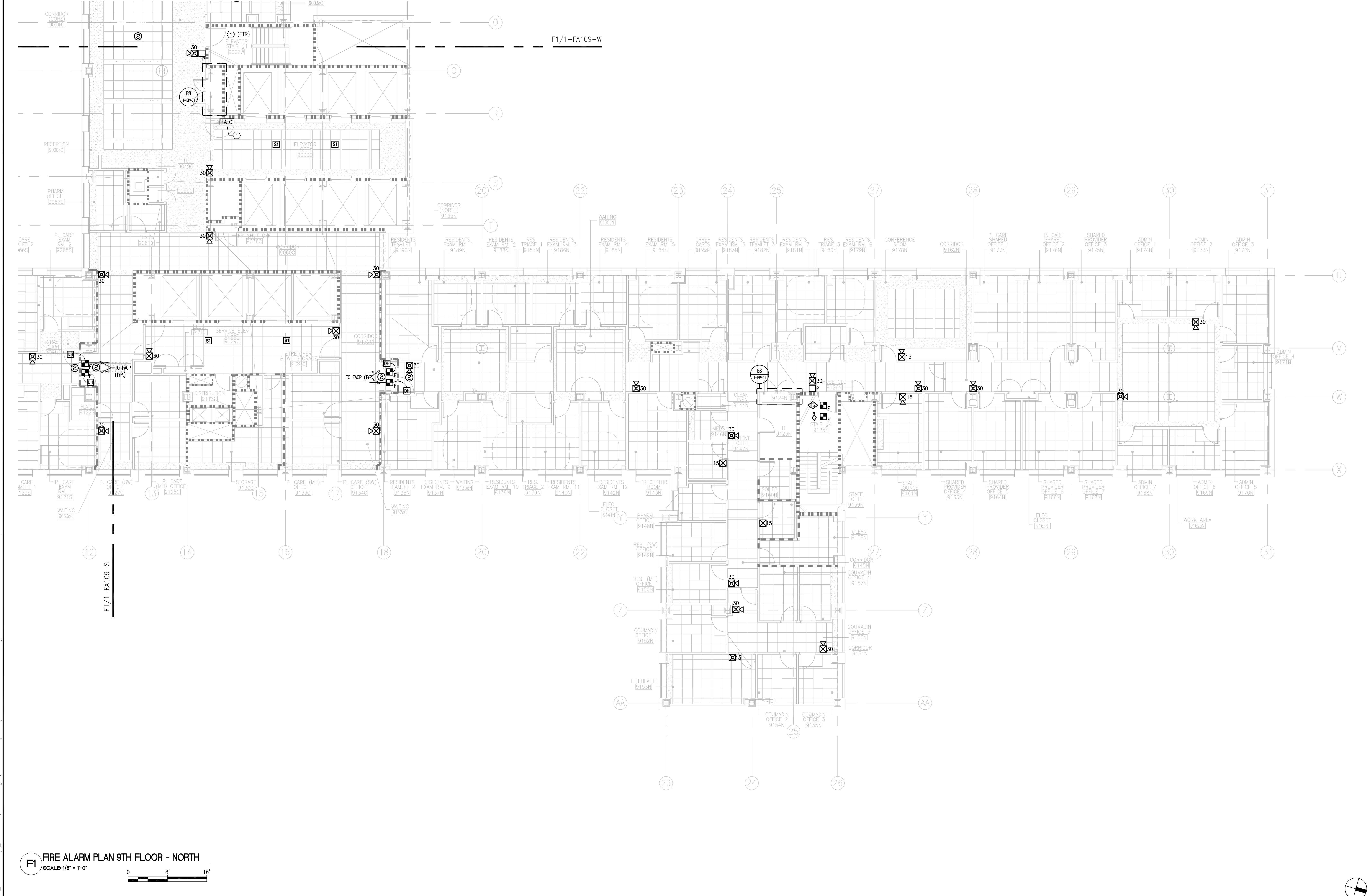
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Drawing Number

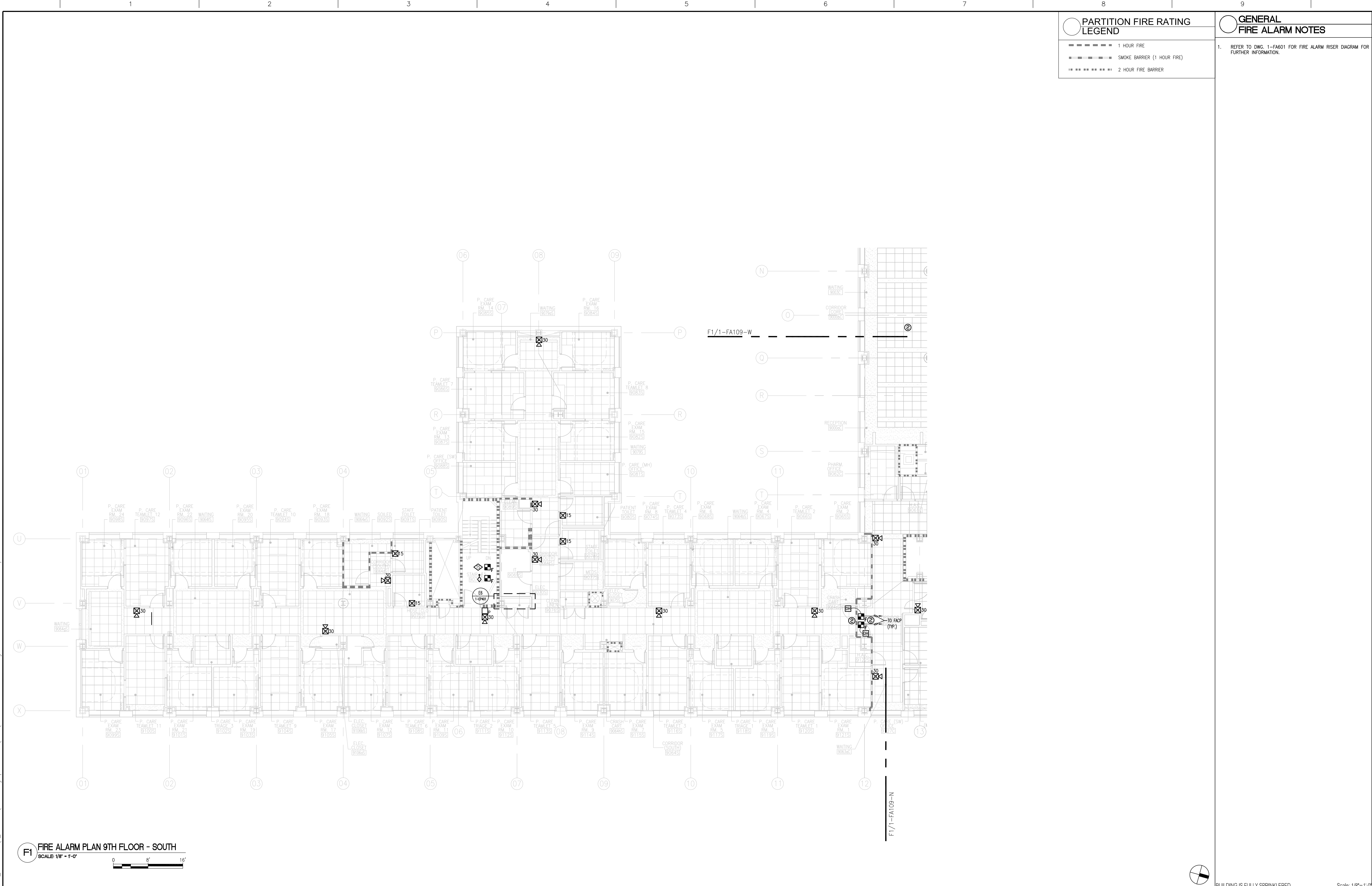
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of Veterans Affairs

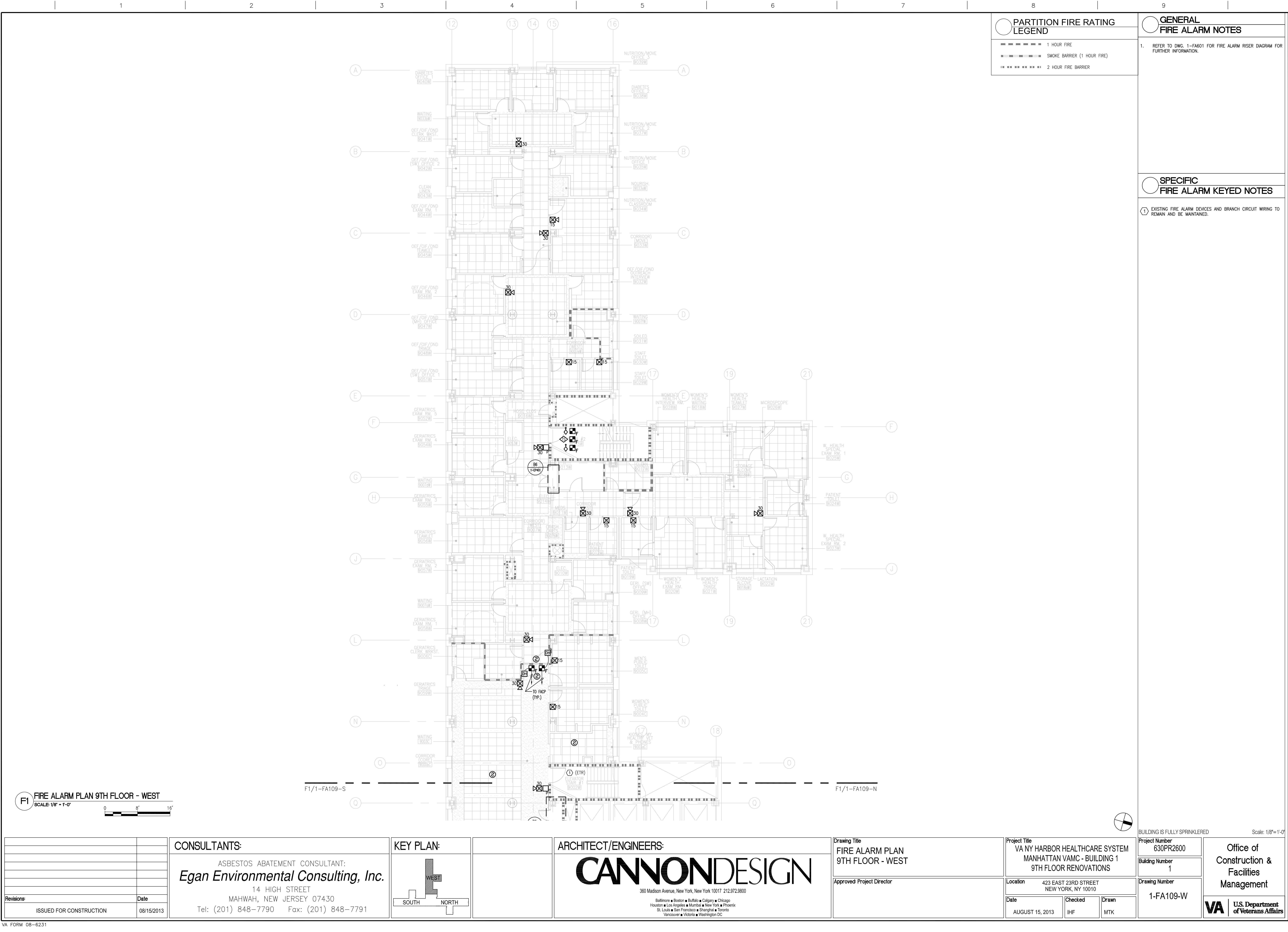
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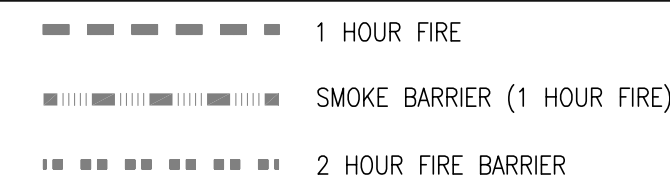
three eighths inch = one foot
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one eighth inch = one foot
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one quarter inch = one foot
0 4 8 16
three eighths inch = one foot
0 4 8 16
one half inch = one foot
0 4 8 16
three quarters inch = one foot
0 4 8 16
one inch = one foot
0 4 8 16
one and one half inches = one foot
0 4 8 16
three inches = one foot
0 4 8 16



PARTITION FIRE RATING LEGEND		GENERAL FIRE ALARM NOTES	
---	1 HOUR FIRE	1. REFER TO DWG. 1-FA601 FOR FIRE ALARM RISER DIAGRAM FOR FURTHER INFORMATION.	
----	SMOKE BARRIER (1 HOUR FIRE)		
----	2 HOUR FIRE BARRIER		

CONSULTANTS: ASBESTOS ABATEMENT CONSULTANT: Egan Environmental Consulting, Inc. 14 HIGH STREET MAHWAH, NEW JERSEY 07430 Tel: (201) 848-7790 Fax: (201) 848-7791	KEY PLAN: 	ARCHITECT/ENGINEERS: CANNONDESIGN 360 Madison Avenue, New York, New York 10017 212.972.9800 Baltimore • Boston • Buffalo • Calgary • Chicago Houston • Los Angeles • Mumbai • New York • Phoenix St. Louis • San Francisco • Shanghai • Toronto Vancouver • Victoria • Washington DC	Drawing Title FIRE ALARM PLAN 9TH FLOOR - SOUTH Approved Project Director	Project Title VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN VAMC - BUILDING 1 9TH FLOOR RENOVATIONS Location 423 EAST 23RD STREET NEW YORK, NY 10010 Date AUGUST 15, 2013 Checked IHF Drawn MTK	Building Number 630PR2600 Building Number 1 Drawing Number 1-FA109-S Office of Construction & Facilities Management VA U.S. Department of Veterans Affairs
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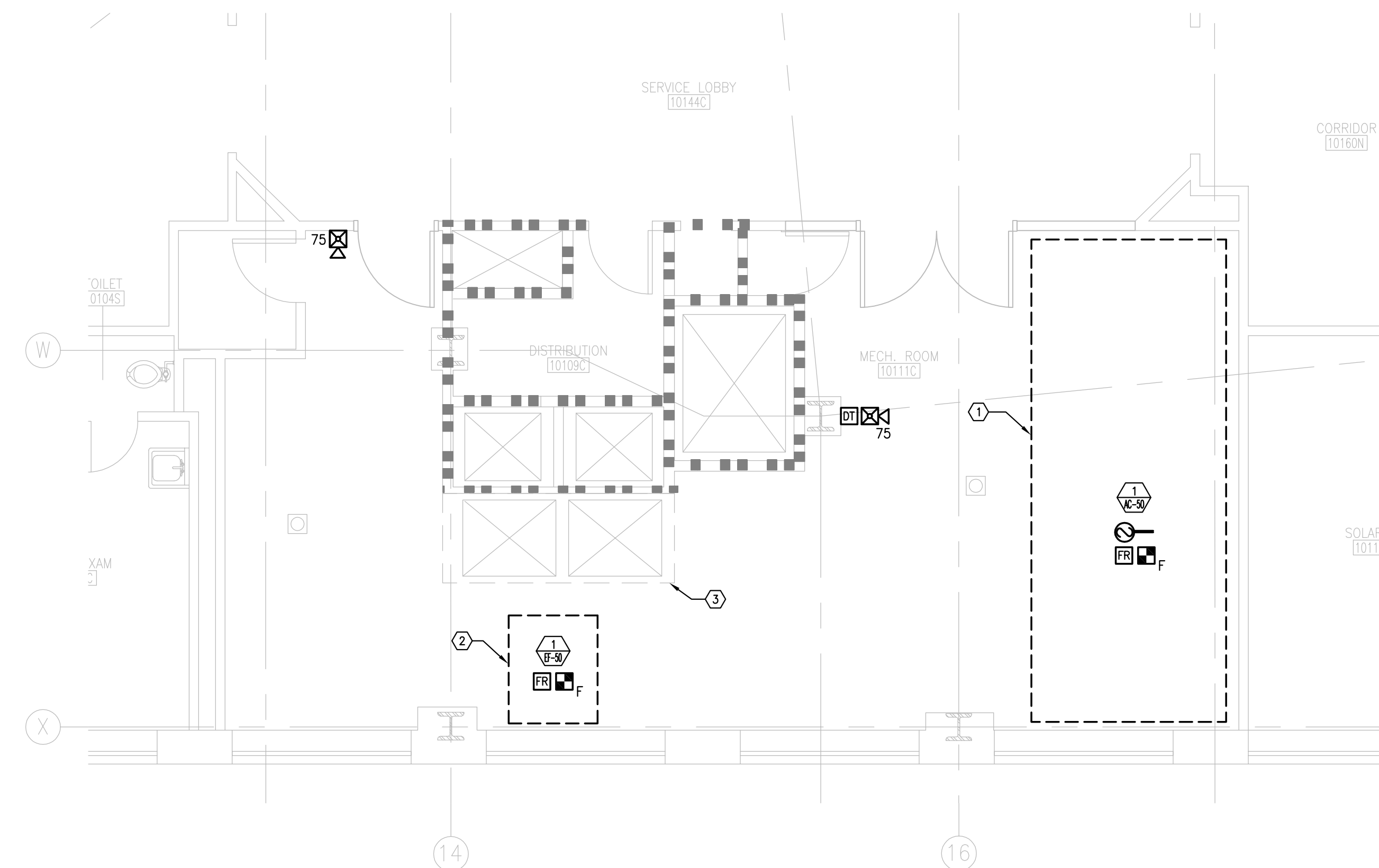


GENERAL FIRE ALARM NOTES

1. REFER TO DWG. 1-FA601 FOR FIRE ALARM RISER DIAGRAM FOR FURTHER INFORMATION.

☐ SPECIFIC
FIRE ALARM KEYED NOTES

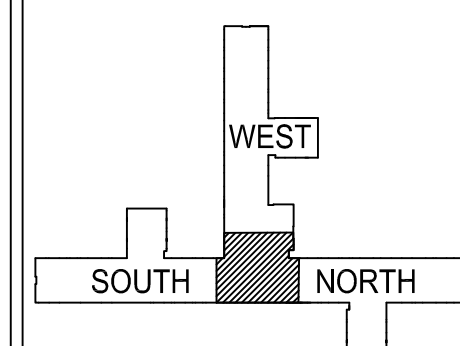
- ① OUTLINE OF NEW AIR HANDLING UNIT.
- ② OUTLINE OF NEW EXHAUST FAN.
- ③ NEW 2 HR. RATED SLAB INFILL WITH OPENING FOR DUCTWORK.
SEE MECHANICAL DWG. 1-MH401 FOR ADDITIONAL INFORMATION
INCLUDING FIRE DAMPER.



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KEY PLAN:



ARCHITECT/ENGINEERS:

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Drawing Title	FIRE ALARM PLAN - PARTIAL 10TH FLOOR
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Approved: Project Director

Project Title	VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN VAMC - BUILDING 1 9TH FLOOR RENOVATIONS
---------------	--

Location	423 EAST 23RD STREET NEW YORK, NY 10010
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Date
AUGUST 15, 2013

Checked
IHF

Drawn
MTK

Project Number 630PR2600	
Building Number 1	

Drawing Number	1-FA110
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BUILDING IS FULLY SPRINKLERED

Scale: 1/4"=1'-0"

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Facilities
Management

VA U.S. Department
of Veterans Affairs

one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 6"
one inch = one foot
0 6"
one and one half inches = one foot
0 6"
three inches = one foot
0 6"

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NOTES:

 PANELBOARD CABINET, SURFACE MOUNTED



SCALE: 1/2" = 1'-0"

COORDINATION SECTION

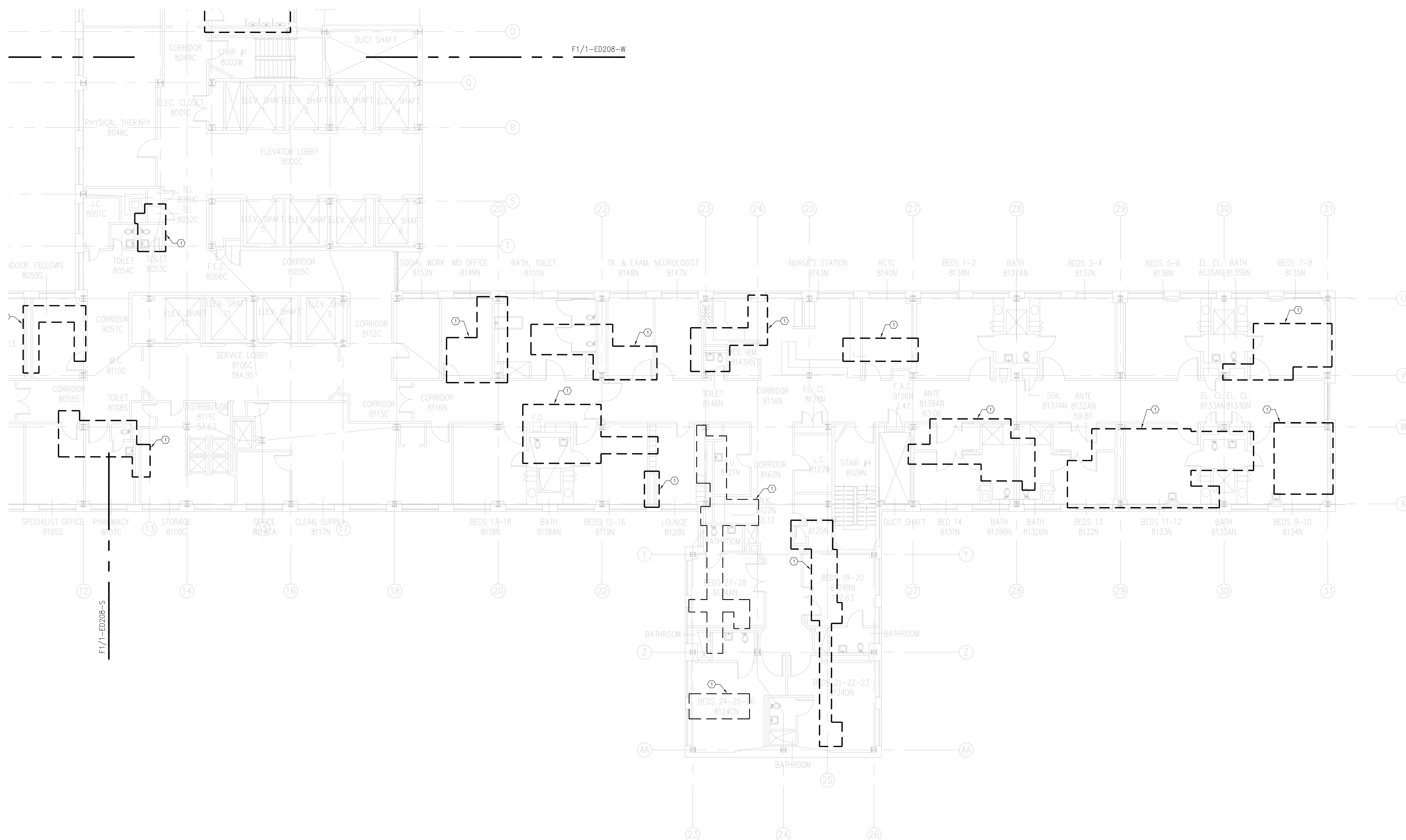
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BUILDING IS FULLY SPRINKLERED

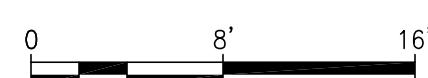
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of Veterans Affairs

VA FORM 08-6231



F1 ELECTRICAL DEMOLITION PLAN 8TH FLOOR - NORTH
SCALE: 1/8" = 1'-0"



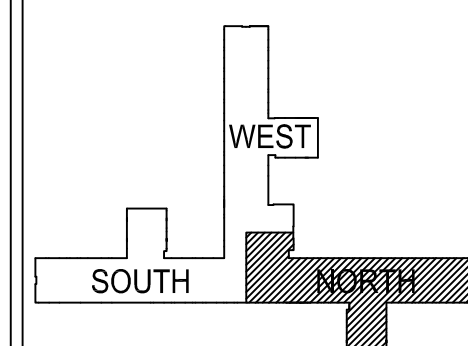
Revisions:	Date
ISSUED FOR CONSTRUCTION	08/15/2013

CONSULTANTS:

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Egan Environmental Consulting, Inc.

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KEY PLAN:



ARCHITECT/ENGINEERS:

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Drawing Title	ELECTRICAL DEMOLITION PLAN 8TH FLOOR - NORTH
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Approved: Project Director

Project Title	VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN VAMC - BUILDING 1 9TH FLOOR RENOVATIONS
---------------	--

Location	423 EAST 23RD STREET NEW YORK, NY 10010
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Date
AUGUST 15, 2013

Checked
IHF

Drawn
MTK

Project Number	630PR2600
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Building Number
1

Drawing Number	1-ED208-N
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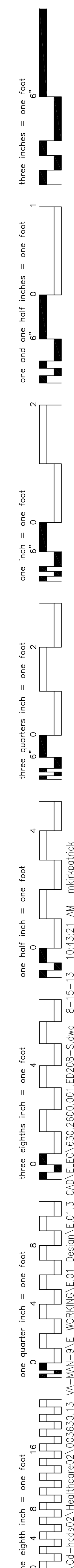


☐ SPECIFIC DEMOLITION NOTES

- 1 DISCONNECT, REMOVE, REINSTALL AND REWIRE ALL EXISTING CEILING MOUNTED LIGHTING FIXTURES AND CEILING MOUNTED LOW VOLTAGE DEVICES TO ACCOMMODATE THE PLUMBING WORK IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR FURTHER INFORMATION.

BUILDING IS FULLY SPRINKLERED

Scale: 1/8"=1'-0"



1 DISCONNECT, REMOVE, REINSTALL AND REWIRE ALL EXISTING CEILING MOUNTED LIGHTING FIXTURES AND CEILING MOUNTED LOW VOLTAGE DEVICES TO ACCOMMODATE THE PLUMBING WORK IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR FURTHER INFORMATION.

A vertical scale with six horizontal tick marks. The labels A, B, C, D, E, and F are positioned to the right of the scale, aligned with their respective tick marks from top to bottom.

SCALE: 1/8" = 1'-0"

CONSULTANTS:

ASBESTOS ABATEMENT CONSULTANT:

Egan Environmental Consulting, Inc.

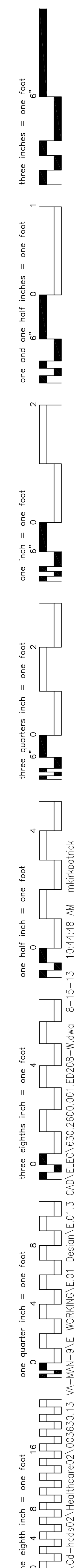
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U.S. Department
of Veterans Affairs

Scale: 1/8"=1'-0"




1 DISCONNECT, REMOVE, REINSTALL AND REWIRE ALL EXISTING CEILING MOUNTED LIGHTING FIXTURES AND CEILING MOUNTED LOW VOLTAGE DEVICES TO ACCOMMODATE THE PLUMBING WORK IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR FURTHER INFORMATION.

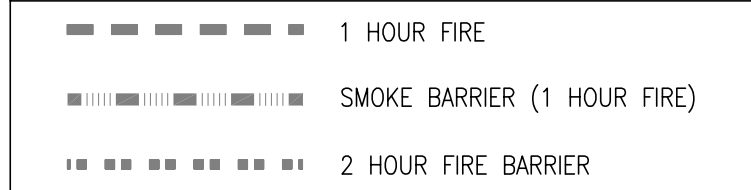
Scale: $1/8" = 1'-0"$



- UNLESS NOTED OTHERWISE, ALL EXISTING LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING/RACEWAYS SERVING AREAS (ETR) SHALL REMAIN AND BE MAINTAINED.
- DISCONNECT AND REMOVE EXISTING LIGHTING SWITCHES (UNDER COULMBS FACELIFTS) AND ALL ASSOCIATED CONDUIT, WIRING, HANGERS AND SUPPORTS BACK TO POINT OF ORIGIN.
- DISCONNECT AND REMOVE EXISTING SIMPLEX FIRE ALARM CONTROL PANEL ABANDONED IN PLACE AND ALL ASSOCIATED CONDUIT, WIRING, HANGERS AND SUPPORTS BACK TO POINT OF ORIGIN.
- EXISTING NOTIFIER FIRE ALARM TERMINAL CABINET (LABELED "D.G.P. - 9TH FLOOR") - (ETR).
- DISCONNECT AND REMOVE EXISTING RECESSED SIMPLEX ANNUNCIATOR PANEL ABANDONED IN PLACE AND ALL ASSOCIATED CONDUIT, WIRING, HANGERS AND SUPPORTS BACK TO POINT OF ORIGIN.
- EXISTING VERTICAL WIREWAY - (ETR).
- DISCONNECT AND REMOVE ALL CONDUIT, WIRING, HANGERS AND SUPPORTS ASSOCIATED WITH EXISTING WATER FLOW SWITCH BACK TO POINT OF ORIGIN. REFER TO DWG. 1-FA109-N FOR FURTHER INFORMATION.
- DISCONNECT AND REMOVE ALL CONDUIT, WIRING, HANGERS AND SUPPORTS ASSOCIATED WITH EXISTING WATER FLOW SWITCH BACK TO POINT OF ORIGIN. REFER TO DWG. 1-FA109-S FOR FURTHER INFORMATION.
- DISCONNECT AND REMOVE ALL CONDUIT, WIRING, HANGERS AND SUPPORTS ASSOCIATED WITH EXISTING WATER FLOW AND TAMPER SWITCH BACK TO POINT OF ORIGIN. REFER TO DWG. 1-FA109-W FOR FURTHER INFORMATION.

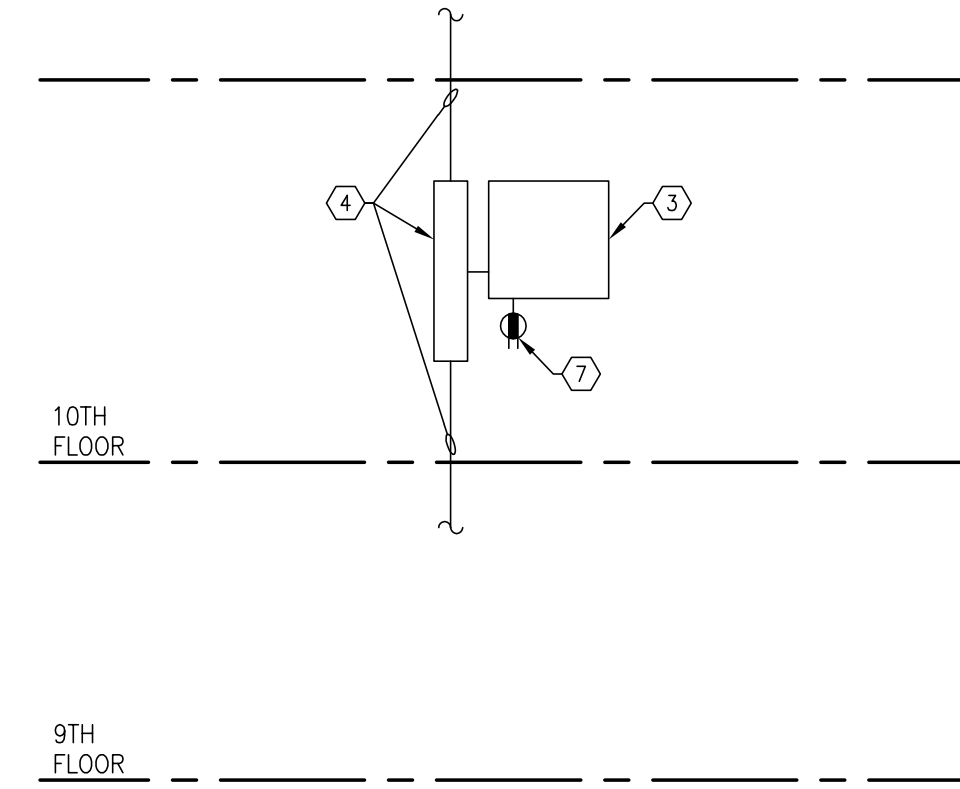
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project Number 630PR2600	Office of Construction & Facilities Management
Building Number 1	
Drawing Number 1-ED209-N	 U.S. Department of Veterans Affairs

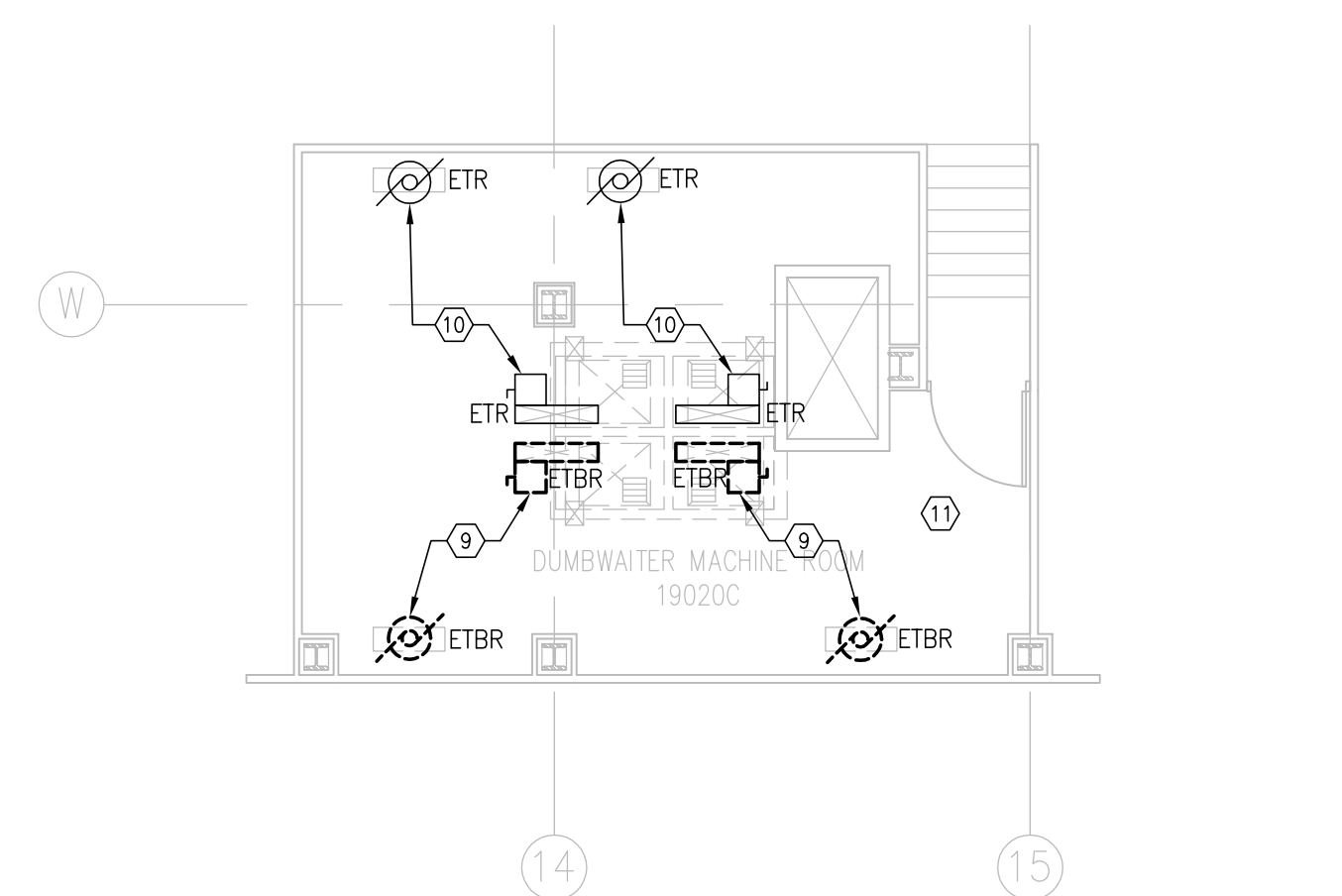
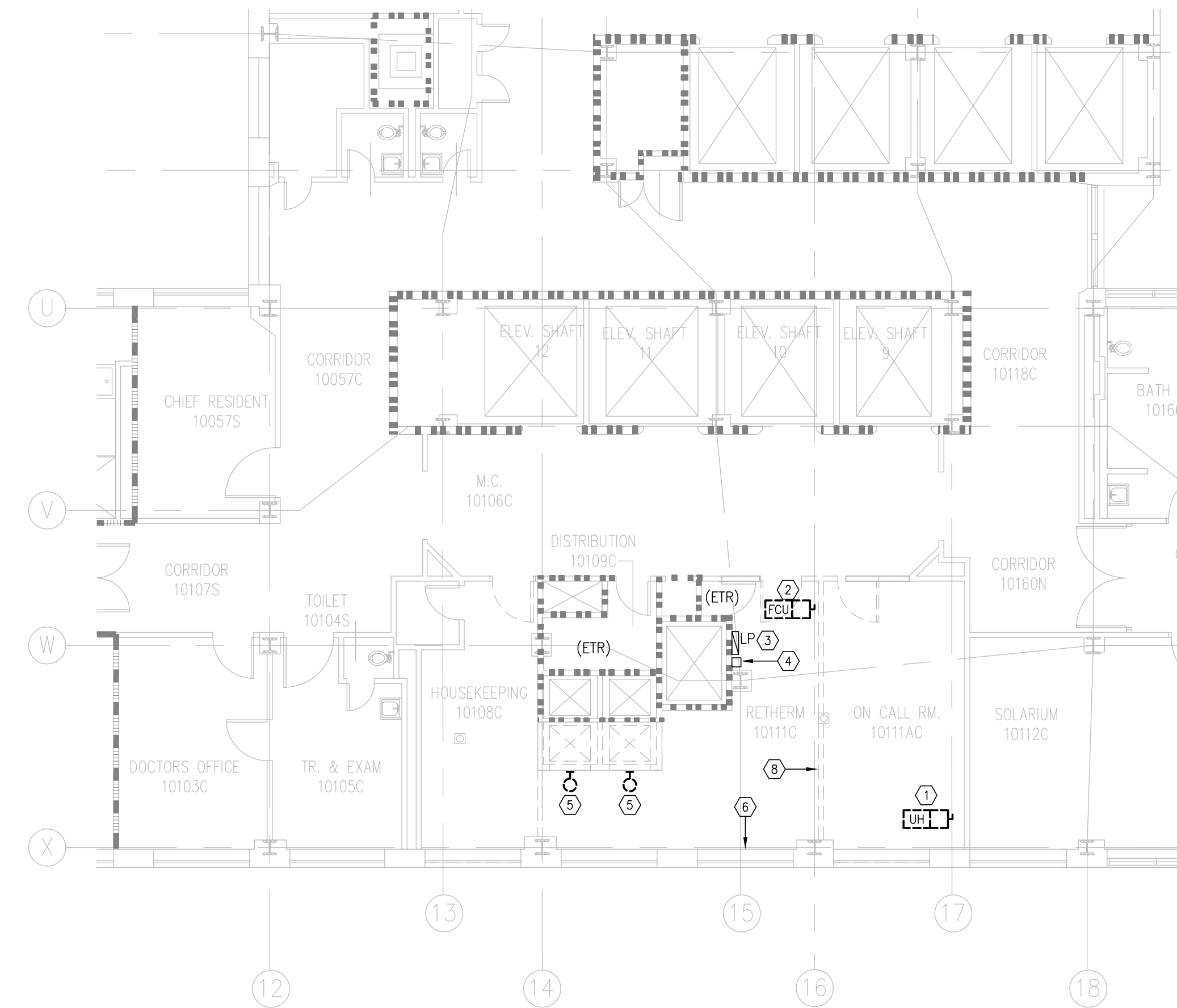


○ GENERAL
DEMOLITION NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EXTENT OF DEMOLITION WORK.
2. DISCONNECT AND REMOVE ALL EXISTING RECESSED, SURFACE AND WALL MOUNTED INTERIOR LIGHTING FIXTURES, EXIT SIGNS, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL OF ORIGIN (TYP. FOR ALL AREAS SLATED FOR DEMOLITION).
3. DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, SWITCHES, DIMMER CONTROLS, AND CONDUIT BACK TO PANEL OF ORIGIN (TYP. FOR ALL AREAS SLATED FOR DEMOLITION).
4. SELECTIVE TEL/DATA AND WIRELESS ACCESS POINT WIRING REMOVED BY ELECTRICAL CONTRACTOR. (POINT FOR ALL AREAS SLATED FOR DEMOLITION). COORDINATE CABLE REMOVAL WITH WA MAINTAIN - I.T. DEPT.)
5. PRIOR TO VOICE/DATA CABLEING REMOVAL, IDENTIFY POINT OF ORIGIN AND DESTINATION OF ALL CABLEING SLATED FOR DEMOLITION.
6. PRIOR TO TELEPHONE/DATA EQUIPMENT REMOVAL, PROTECT, MAINTAIN AND INDEPENDENTLY SUPPORT TELEPHONE AND DATA/LAN CABLEING DETERMINED TO BE PART OF EXISTING WIRELESS NETWORK. DISCONNECT AND REMOVE ALL TELEPHONE/DATA JUNCTION BOXES AND RACEWAYS BACK TO NEAREST TELECOMMUNICATIONS BACKBOARD.
7. DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, BACK BOXES, CONDUIT AND WIREMAN'S EQUIPMENT BACK TO RESPECTIVE PANEL OF ORIGIN (TYP. FOR ALL EQUIPMENT TO BE REMOVED).
8. DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR HVAC EQUIPMENT BACK TO PANEL OF ORIGIN (TYP. FOR ALL EQUIPMENT TO BE REMOVED).
9. DISCONNECT AND REMOVE ALL EXISTING SURFACE WIREMOLD RACEWAYS, CONDUITS, JUNCTION BOXES AND WIREWAYS BACK TO PANEL OF ORIGIN (TYP. FOR ALL AREAS SLATED FOR DEMOLITION).
10. CUT ALL EXISTING ABANDONED CONDUITS AT THE FLOOR AND SAFE-OFF.
11. DISCONNECT AND REMOVE ALL ABANDONED RACEWAYS, HANGERS, SUPPORTS, JUNCTION BOXES AND WIRING LOCATED ABOVE ALL ACCESSIBLE AND EXISTING FIRE ALARM ZONE.
12. ALL EXISTING FIRE ALARM DEVICES IN THESE ROOMS ONLY TO REMAIN CONNECTED TO EXISTING FIRE ALARM CONTROL PANEL SERVING THE FLOOR SHALL BE DECOMMISSIONED FROM OPERATION (TURNED OFF) SO AS TO NOT INITIATE ANY FALSE ALARM DURING THE DEMOLITION PHASE. CONTRACTOR SHALL INCLUDE ALL RE-PROGRAMMING COSTS IN THEIR BID.



C6 PARTIAL ELECTRICAL RISER DIAGRAM
SCALE: N.T.S.



F4 ELECTRICAL DEMOLITION PLAN - PARTIAL 19TH FLOOR
SCALE: 1/8" = 1'-0"

F6 ELECTRICAL DEMOLITION PLAN - PARTIAL 10TH FLOOR
SCALE: 1/8" = 1'-0"

Revisions:	Date
ISSUED FOR CONSTRUCTION	08/15/2013

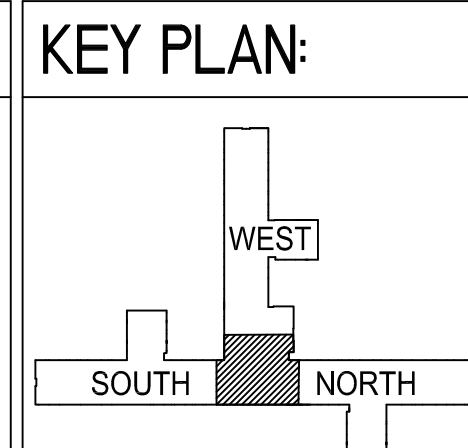
CONSULTANTS:

ASBESTOS ABATEMENT CONSULTANT:

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Tel: (201) 848-7790 Fax: (201) 848-7791



ARCHITECT/ENGINEERS:

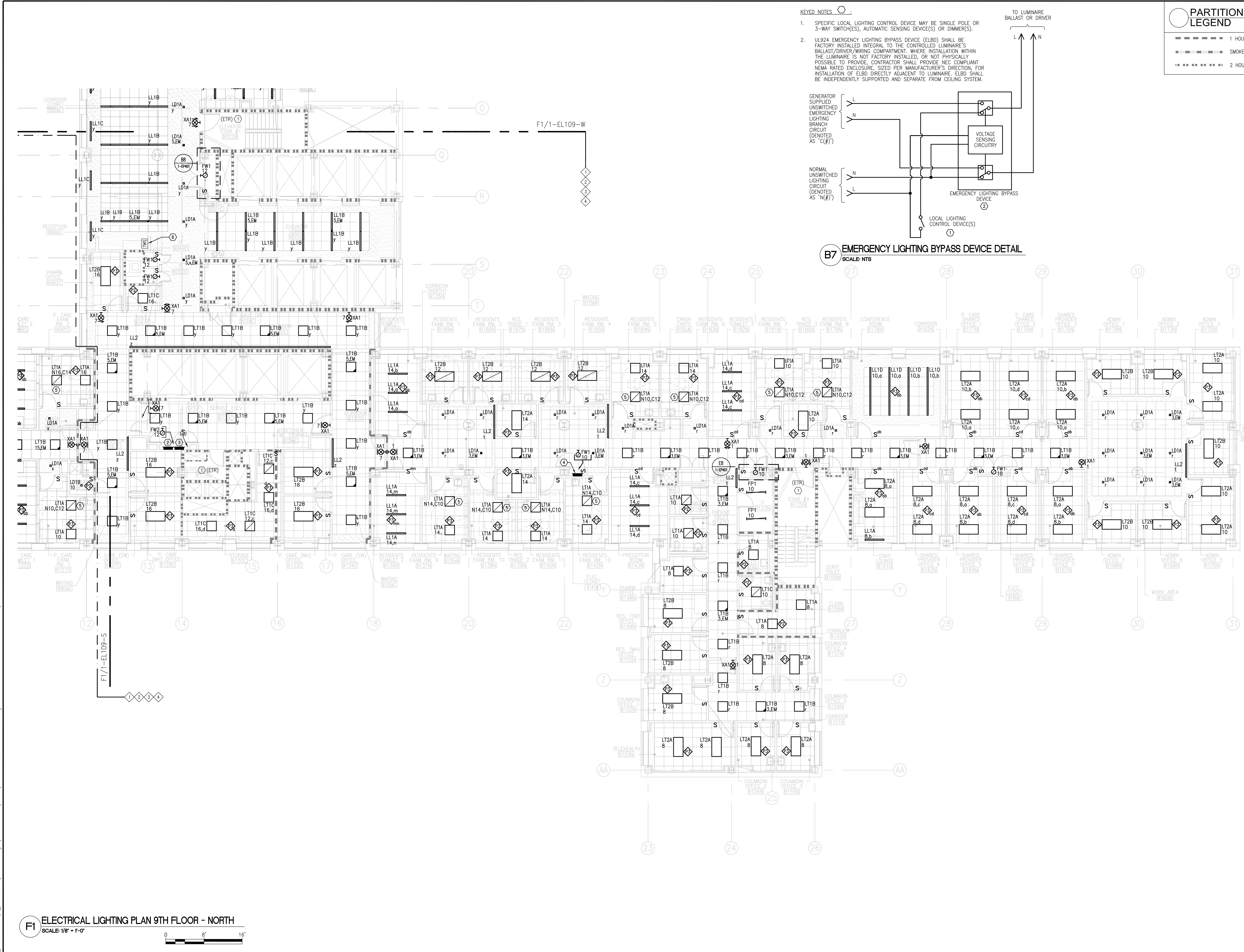
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Drawing Title ELECTRICAL DEMOLITION PLANS - PARTIAL 10TH AND 19TH FLOORS	Project Title VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN VAMC - BUILDING 1 9TH FLOOR RENOVATIONS			Project Number 630PR2600	Office of Construction & Facilities Management  U.S. Department of Veterans Affairs
				Building Number 1	
Approved Project Director	Location 423 EAST 23RD STREET NEW YORK, NY 10010			Drawing Number 1-ED210	
Date AUGUST 15, 2013	Checked IHF	Drawn MTK / MMC			

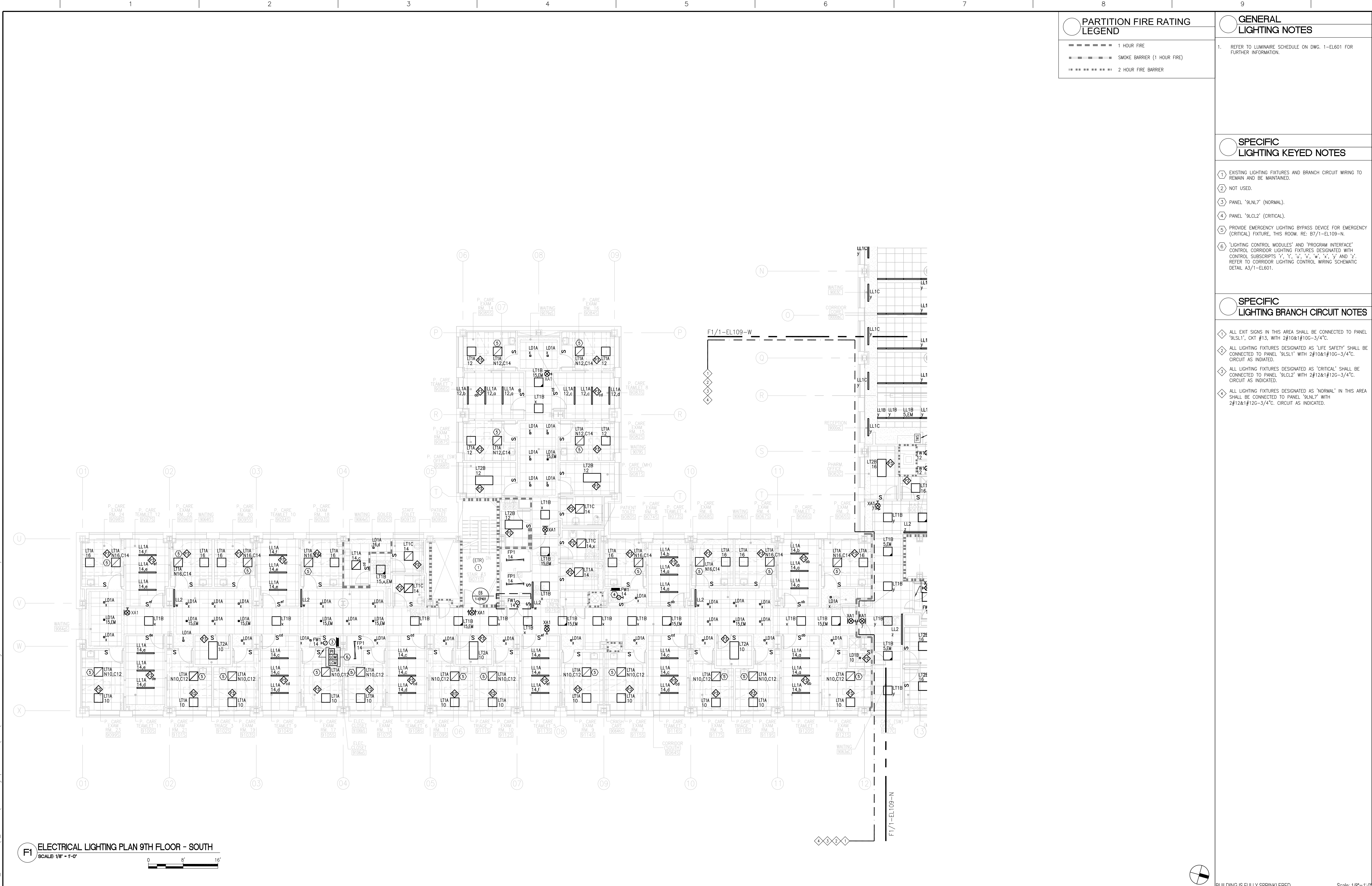
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nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
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seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
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twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
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eighty inches = one foot
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ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



FI ELECTRICAL LIGHTING PLAN 9TH FLOOR - NORTH
SCALE: 1/8" = 1'-0"
0 8' 16'

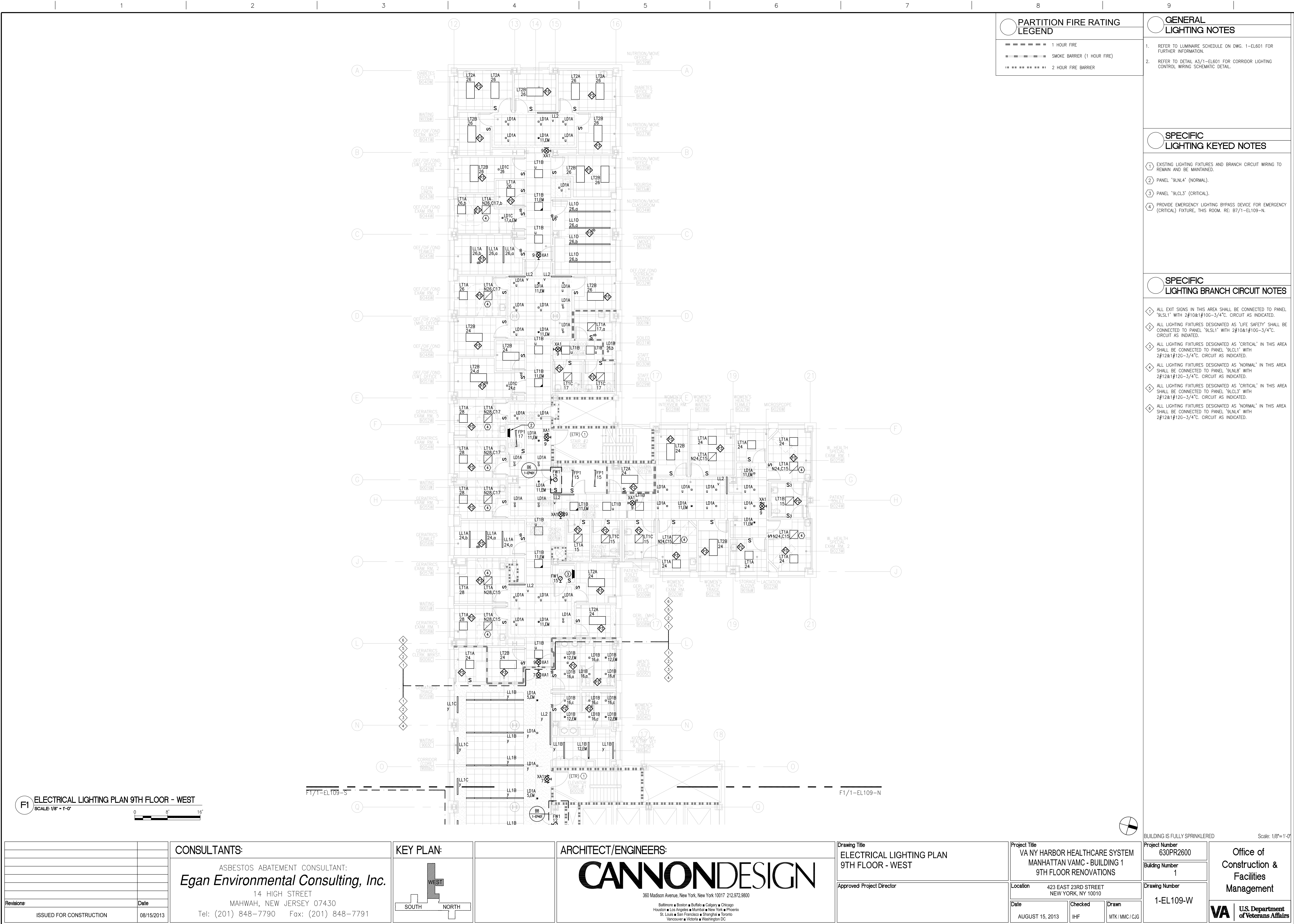
Revisions: <table><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>									CONSULTANTS: ASBESTOS ABATEMENT CONSULTANT: Egan Environmental Consulting, Inc. 14 HIGH STREET MAHWAH, NEW JERSEY 07430 Tel: (201) 848-7790 Fax: (201) 848-7791	KEY PLAN: 	ARCHITECT/ENGINEERS: CANNON DESIGN 360 Madison Avenue, New York, New York 10017 212.972.9800 Baltimore • Boston • Buffalo • Calgary • Chicago Houston • Los Angeles • Mumbai • New York • Phoenix St. Louis • San Francisco • Shanghai • Toronto Vancouver • Victoria • Washington DC	Drawing Title ELECTRICAL LIGHTING PLAN 9TH FLOOR - NORTH	Project Title VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN VAMC - BUILDING 1 9TH FLOOR RENOVATIONS	Location 423 EAST 23RD STREET NEW YORK, NY 10010	Date AUGUST 15, 2013	Checked IHF	Drawn MTK/MMC/CJG	Building Number 630PR2600 Building Number 1 Drawing Number 1-EL109-N	Office of Construction & Facilities Management VA U.S. Department of Veterans Affairs
ISSUED FOR CONSTRUCTION	08/15/2013			Approved Project Director															

three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



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Revisions: ISSUED FOR CONSTRUCTION						Approved Project Director		Location 423 EAST 23RD STREET NEW YORK, NY 10010		Building Number 630PR2600	
Date 08/15/2013								Date AUGUST 15, 2013		Building Number 1	
								Checked IHF		Drawing Number 1-EL109-S	
								Drawn MTK/MMC/CJG			

- PARTITION FIRE RATING LEGEND**
 - 1 HOUR FIRE
 - SMOKE BARRIER (1 HOUR FIRE)
 - 2 HOUR FIRE BARRIER
- GENERAL LIGHTING NOTES**
 - REFER TO LUMINAIRE SCHEDULE ON DWG. 1-EL601 FOR FURTHER INFORMATION.
- SPECIFIC LIGHTING KEYED NOTES**
 - EXISTING LIGHTING FIXTURES AND BRANCH CIRCUIT WIRING TO REMAIN AND BE MAINTAINED.
 - NOT USED.
 - PANEL '9LNL7' (NORMAL).
 - PANEL '9LCL2' (CRITICAL).
 - PROVIDE EMERGENCY LIGHTING BYPASS DEVICE FOR EMERGENCY (CRITICAL) FIXTURE, THIS ROOM. RE: 87/1-EL109-N.
 - 'LIGHTING CONTROL MODULES' AND 'PROGRAM INTERFACE' CONTROL CORRIDOR LIGHTING FIXTURES DESIGNATED WITH CONTROL SUBSCRIPTS 'x', 't', 'u', 'v', 'w', 'x', 'y' AND 'z'. REFER TO CORRIDOR LIGHTING CONTROL WIRING SCHEMATIC DETAIL A3/1-EL601.
- SPECIFIC LIGHTING BRANCH CIRCUIT NOTES**
 - ALL EXIT SIGNS IN THIS AREA SHALL BE CONNECTED TO PANEL '9LNL7', CKT #13, WITH 2#10&1#10G-3/4".
 - ALL LIGHTING FIXTURES DESIGNATED AS 'LIFE SAFETY' SHALL BE CONNECTED TO PANEL '9LNL7' WITH 2#10&1#10G-3/4".
 - ALL LIGHTING FIXTURES DESIGNATED AS 'CRITICAL' SHALL BE CONNECTED TO PANEL '9LCL2' WITH 2#12&1#12G-3/4".
 - ALL LIGHTING FIXTURES DESIGNATED AS 'NORMAL' IN THIS AREA SHALL BE CONNECTED TO PANEL '9LNL7' WITH 2#12&1#12G-3/4".



A

B

C

D

E

F

F

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

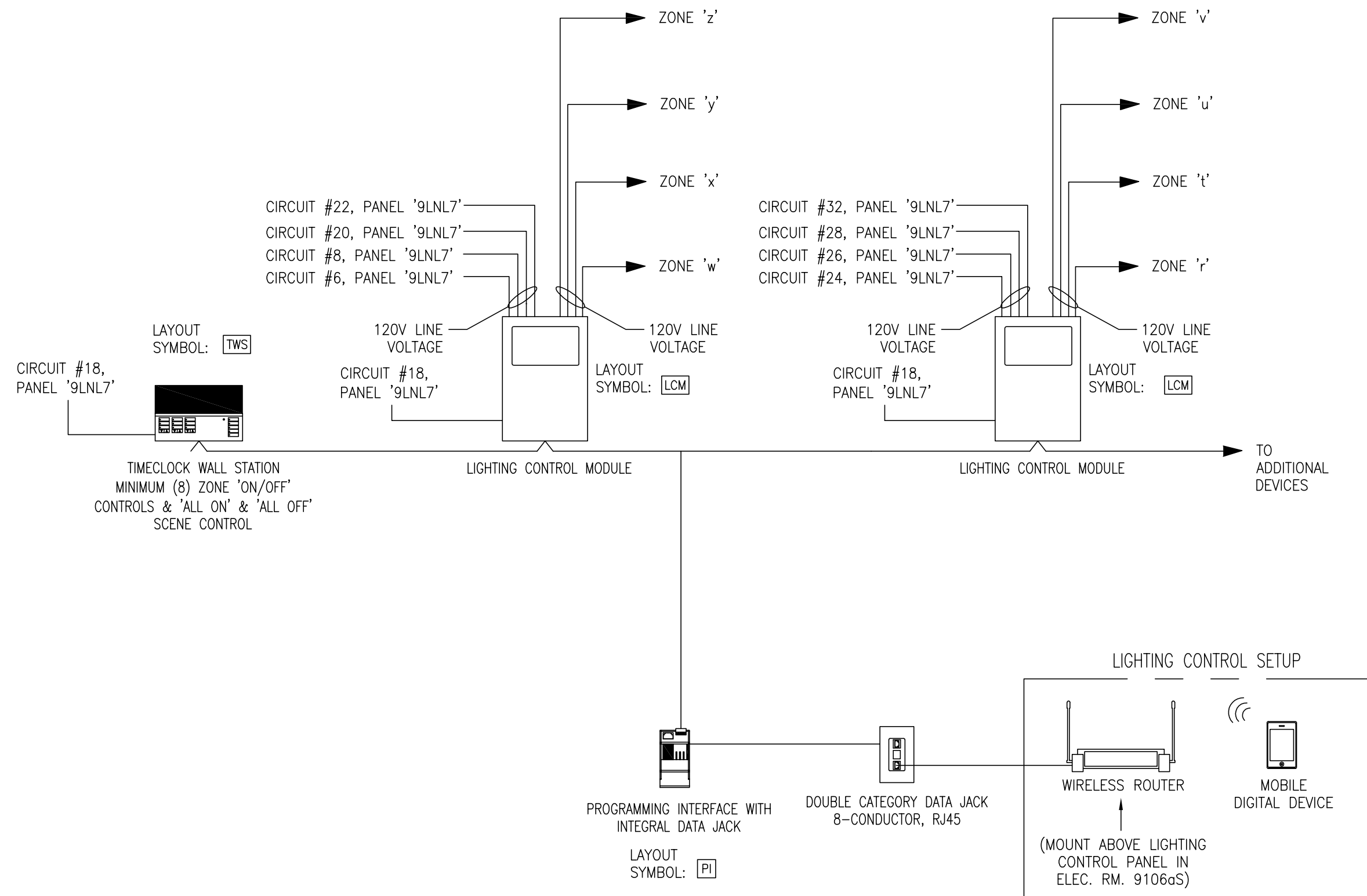
three sixteenths inch = one foot

one eighth inch = one foot

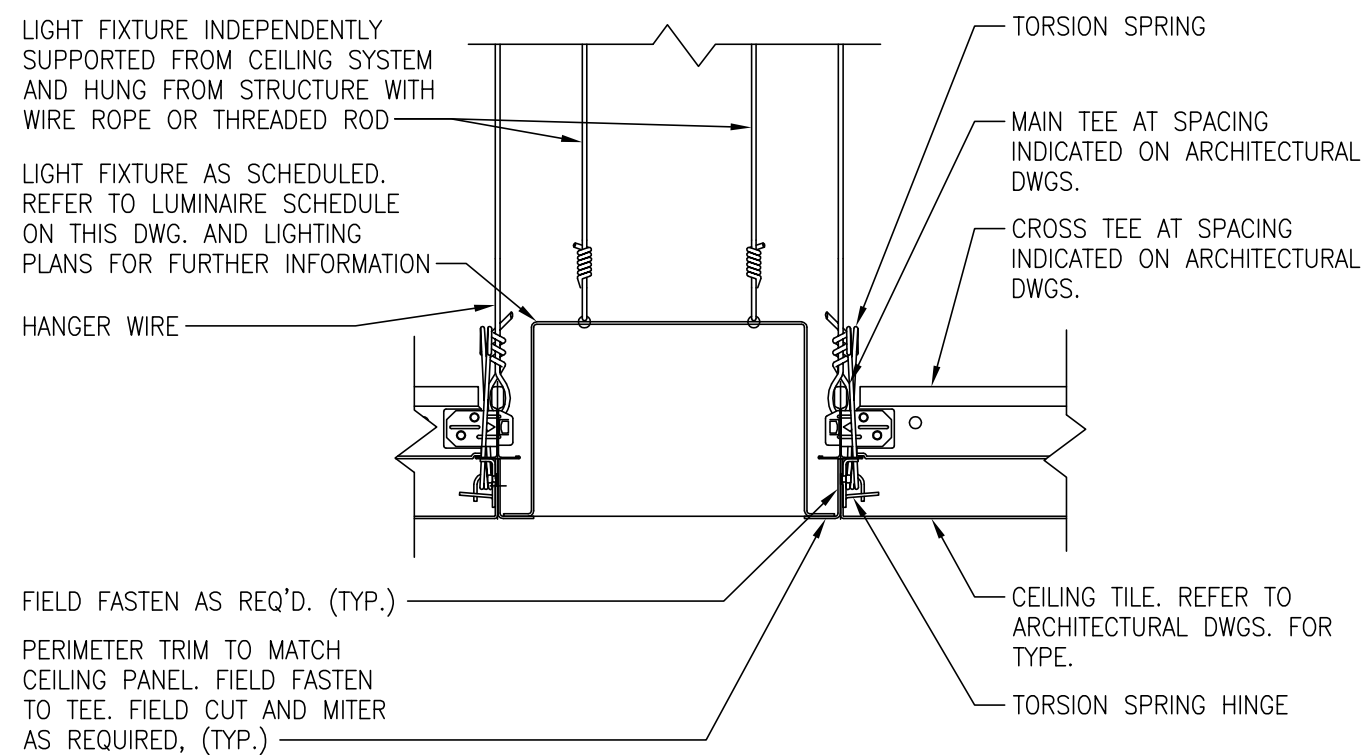
one quarter inch = one foot

one eighth inch = one foot

one eighth inch = one foot



B3 CORRIDOR LIGHTING CONTROL WIRING SCHEMATIC DETAIL
SCALE: N.T.S.



D3 TYPICAL LIGHTING FIXTURE MOUNTING DETAIL
SCALE: N.T.S.

A6 LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS	REFLECTOR / DIFFUSER	SPECIAL COMMENTS	VOLTAGE	NOTES
FP1	1'W X 4'L LINEAR INDUSTRIAL	PENDANT	(2) 28W T5 FLUORESCENT	APERTURED REFLECTOR WITH 10% UPLIGHTING	20 GA. STEEL HOUSING; ELECTRONIC BALLAST; V-HANGER WITH 48" CHAIN AND S HOOK	UNV (120/ 277V)	⑨
FP2	SAME AS TYPE 'FP1' EXCEPT PROVIDE WIRE GUARD	-	-	-	-	-	⑨
FW1	4'D X 2'L LINEAR (WALL MTD.)	SURFACE	(2) 14W T5 FLUORESCENT	100% OPAL ACRYLIC EXTRUSION; SMOOTH WHITE ACRYLIC DIFFUSER	20 GA. STEEL HOUSING; ELECTRONIC BALLAST	UNV (120/ 277V)	⑩
FW2	SAME AS TYPE 'FW1' EXCEPT PROVIDE 4'-0"L FIXTURE	-	(2) 28W T5 FLUORESCENT	-	-	UNV (120/ 277V)	⑩
LD1A	4" SQUARE DOWNLIGHT	RECESSED	L.E.D. (4100K, 2000 LUMENS, 33 WATTS)	OPEN APERTURE	20 GA. STEEL HOUSING; ELECTRONIC L.E.D. DRIVER	UNV (120/ 277V)	①X④
LD1B	SAME AS TYPE 'LD1A' EXCEPT PROVIDE CLEAR GLASS LENS	-	-	-	-	UNV (120/ 277V)	①X④
LD1C	SAME AS TYPE 'LD1A' EXCEPT PROVIDE 3500K L.E.D.'S	-	-	-	-	UNV (120/ 277V)	①X④
LL1A	3'W X 4'L LINEAR SLOT	RECESSED	L.E.D. (3500K, 875 LUMENS/FT., 12.6 WATTS/FT.)	0.125" WHITE, SNAP-IN ACRYLIC FULLY LUMINOUS LENS WITH MATTE FINISH	20 GA. STEEL HOUSING; ELECTRONIC L.E.D. DRIVER	UNV (120/ 277V)	①X⑤
LL1B	CONTINUOUS 3'W LINEAR SLOT	-	L.E.D. (4100K, 500 LUMENS/FT., 7.10 WATTS/FT.)	-	-	UNV (120/ 277V)	①X⑤
LL1C	SAME AS TYPE 'LL1A' EXCEPT PROVIDE 500 LUMEN/FT. L.E.D.	-	L.E.D. (4100K, 500 LUMENS/FT., 7.10 WATTS/FT.)	-	-	UNV (120/ 277V)	①X⑤
LL1D	SAME AS TYPE 'LL1B' EXCEPT PROVIDE 3500K L.E.D.'S	-	-	-	-	UNV (120/ 277V)	①X⑤
LL2	CONTINUOUS 3'W LINEAR WALL GRAZER	RECESSED	L.E.D. (4100K, 600 LUMENS/FT., 10.6 WATTS/FT.)	EXTRUDED ALUMINUM TRIM WITH MIRO REFLECTOR	20 GA. STEEL HOUSING	UNV (120/ 277V)	①X⑥
LT1A	2' X 2' DIRECT	RECESSED	L.E.D. (3500K, 4500 LUMENS, 58 WATTS)	SINGLE-PIECE EXTRUDED SATINE LENS WITH CONVEX WINGS AND ARTICULATE CENTER SPINE	PRE-PAINTED 22 GA. STEEL HOUSING; ELECTRONIC L.E.D. DRIVER; ANTIMICROBIAL PAINT	UNV (120/ 277V)	①X⑥
LT1B	SAME AS TYPE 'LT1A' EXCEPT PROVIDE 4000K AND 2100 LUMEN L.E.D.'S	-	L.E.D. (4100K, 2100 LUMENS, 26 WATTS)	-	-	UNV (120/ 277V)	①X⑥
LT1C	SAME AS TYPE 'LT1A' EXCEPT PROVIDE 2100 LUMEN L.E.D.	-	L.E.D. (3500K, 2100 LUMENS, 26 WATTS)	-	-	UNV (120/ 277V)	①X⑥
LT2A	2' X 4' DIRECT	RECESSED	L.E.D. (3500K, 4500 LUMENS, 58 WATTS)	SINGLE-PIECE EXTRUDED SATINE LENS WITH CONVEX WINGS AND ARTICULATE CENTER SPINE	PRE-PAINTED 22 GA. STEEL HOUSING; ELECTRONIC L.E.D. DRIVER; ANTIMICROBIAL PAINT	UNV (120/ 277V)	①X⑥
LT2B	SAME AS TYPE 'LT2A' EXCEPT PROVIDE 7500 LUMEN L.E.D.	-	L.E.D. (3500K, 7500 LUMENS, 96 WATTS)	-	-	UNV (120/ 277V)	①X⑥
LU1	UNDERCABINET LIGHT	SURFACE	L.E.D. (3000K, 50,000 HR. LIFE MIN.)	CLEAR PRISMATIC TEMPERED GLASS LENS	SLIM 1" PROFILE; INTEGRAL ROCKER SWITCH	120	③X⑦
XA1	EXIT SIGN	SURFACE (WALL MTD.)	L.E.D.	8" RED LETTERS ON MIRROR BACKGROUND, SINGLE/DOUBLE FACE AS SHOWN ON DWGS.	FRAMELESS SIGN; DIRECTIONAL ARROWS AS SHOWN ON PLANS; AC POWER ONLY	UNV (120/ 277V)	

**GENERAL
LIGHTING NOTES**

- FOR ALL LUMINAIRES, REFER TO ADDITIONAL SPECIFICATION REQUIREMENTS IN SECTION 265100.
- ALL LUMINAIRES ARE 120V, UNLESS OTHERWISE NOTED.
- COORDINATE ALL GRID OR FLANGE MOUNTING HARDWARE REQUIRED AS PER ARCHITECTURAL CEILING TYPE. REFER TO ARCHITECTURAL DWGS. FOR FURTHER INFORMATION.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS, PLACEMENT AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES, UNLESS OTHERWISE NOTED.
- ALL LUMINAIRES IN ENCLOSED AREA ALONG BUILDING PERIMETER SHALL BE ORIENTED WITH LAMPS PARALLEL TO EXTERIOR WALL.
- ALL LUMINAIRES WITHIN SPACES AT BUILDING CORNERS SHALL BE ORIENTED WITH LAMPS PARALLEL TO LONG DIMENSION OF SPACE.
- ALL LUMINAIRES WITHIN CORRIDORS SHALL BE ORIENTED WITH LAMPS PARALLEL TO ADJACENT WALLS.
- LUMINAIRES SHALL BE PAINTED AFTER FABRICATION.
- PROVIDE HIGH POWER FACTOR (95 PERCENT OR GREATER, THD<10%) ELECTRONIC BALLAST FOR ALL FLUORESCENT LUMINAIRES.
- ALL LIGHTING FIXTURES SHALL MATCH THE POINT-BY-POINT ANALYSIS PERFORMED AS THE BASIS OF DESIGN FOR ALL LOCATIONS ON THE PROJECT. LIGHTING CALCULATIONS SHALL BE PERFORMED AND SUBMITTED AS PART OF THE LIGHTING FIXTURE SHOP DRAWING PACKAGE.
- ALL LIGHTING FIXTURES AND THEIR COMPONENTS (I.E. BALLAST, LAMPS, ETC.) AND ACCESSORIES SHALL BE MADE IN THE U.S.A.

**SPECIFIC
LIGHTING KEYED NOTES**

- PROVIDE ELECTRONIC LOW VOLTAGE (ELV) CONTROL SWITCH PER MANUFACTURER'S RECOMMENDATIONS. REFER TO FLOOR PLANS FOR LOCATION OF SWITCH.
- REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LENGTHS OF CONTINUOUS LIGHT FIXTURES.
- ELECTRICAL CONTRACTOR TO COORDINATE EXACT LENGTHS AND QUANTITIES OF ALL UNDERCABINET LIGHTING FIXTURES WITH ARCHITECTURAL MILLWORK PLANS. ELECTRICAL CONTRACTOR TO INCLUDE IN THEIR BID ALL COSTS FOR ALL UNDERCABINET LIGHTING FIXTURES REQUIRED FOR A COMPLETE INSTALLATION AS PER ARCHITECTURAL MILLWORK PLANS.
- LIGHTING FIXTURES OF THIS TYPE SHALL ALSO MEET THE FOLLOWING REQUIREMENTS: EASY ACCESS TO REPLACE LIGHT ENGINE AND DRIVER BELOW CEILING, TOOL-LESS REMOVAL OF DRIVER ASSEMBLY FROM BELOW CEILING, HOUSING AND BACK OF SQUARE TRIMS PAINTED BLACK, NOTCHED BAR HANGER SYSTEM FOR LOCATING FIXTURES IN CENTER OF TILE, 5-1/2" HOUSING DEPTH (ABOVE CEILING), 6"D OVERALL, LIGHT SOURCE REGRESSED 3-1/2" TO MINIMIZE GLARE AND UNIVERSAL VOLTAGE UP TO 2000 LUMENS.
- LIGHTING FIXTURES OF THIS TYPE SHALL ALSO MEET THE FOLLOWING REQUIREMENTS: AVAILABLE IN CONTINUOUS RUN LENGTHS TO 1/8" INCH INCREMENTS, 0-10V DIMMING CONTROL AND 5-YEAR LIMITED WARRANTY FROM SAME MANUFACTURER THAT COVERS L.E.D., DRIVER AND LIGHT FIXTURE.
- LIGHTING FIXTURES OF THIS TYPE SHALL ALSO MEET THE FOLLOWING REQUIREMENTS: ABILITY TO BE CONVERTIBLE TO UPGRADE TO THE LATEST L.E.D. TECHNOLOGY, 3-3/4" MAX. HOUSING DEPTH, 0-10V DIMMING CONTROL AND 5-YEAR LIMITED WARRANTY FROM SAME MANUFACTURER THAT COVERS L.E.D., DRIVER AND LIGHT FIXTURE.
- LIGHTING FIXTURES OF THIS TYPE SHALL ALSO MEET THE FOLLOWING REQUIREMENTS: PROVIDE WARM-WHITE 3000K LED'S TIGHTLY BINNED WITHIN TWO STEP MACADAM ECLIPSE, INTEGRAL ELECTRONIC 120V CONSTANT CURRENT DRIVER MUST BE ACCESSIBLE WITHOUT HAVING TO REMOVE FIXTURE AND 1" MAX. HOUSING DEPTH.
- ELECTRICAL CONTRACTOR TO COORDINATE AND PROVIDE EXACT LENGTHS, QUANTITIES AND MOUNTING HARDWARE OF ALL RECESSED LINEAR WALL GRAZER LIGHTING FIXTURES PER ARCHITECTURAL DWGS. ELECTRICAL CONTRACTOR TO INCLUDE N THEIR BID ALL COSTS REQUIRED FOR A COMPLETE INSTALLATION OF THE LINEAR WALL GRAZER LIGHTING FIXTURES BASED ON ARCHITECTURAL DWGS.
- COORDINATE EXACT MOUNTING HEIGHT OF LIGHT FIXTURE WITH ARCHITECTURAL DWGS. AND OTHER TRADE'S EQUIPMENT WITHIN ROOM.
- LIGHT FIXTURE SHALL BE WALL MOUNTED, 6" ABOVE DOOR FRAME.

BUILDING IS FULLY SPRINKLERED

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St. Louis • San Francisco • Shanghai • Toronto
Vancouver • Victoria • Washington DC

Drawing Title
LUMINAIRE SCHEDULE AND DETAILS

Project Title
**VA NY HARBOR HEALTHCARE SYSTEM
MANHATTAN VAMC - BUILDING 1
9TH FLOOR RENOVATIONS**

Approved Project Director

Location
423 EAST 23RD STREET
NEW YORK, NY 10010

Date
AUGUST 15, 2013

Checked
IHF

Drawn
MTK / MMC

Project Number
630PR2600

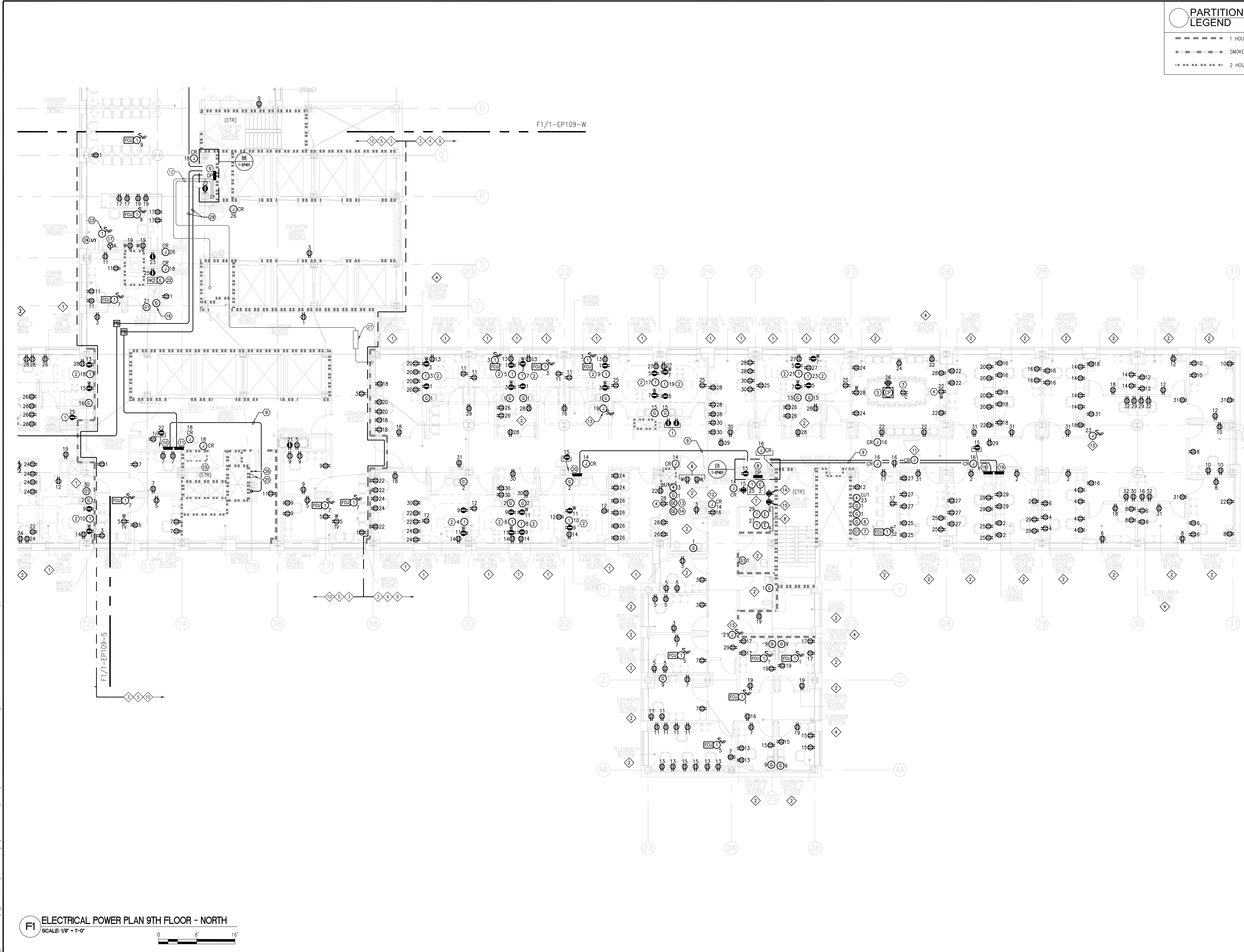
Building Number
1

Drawing Number
1-EL601

Office of
**Construction &
Facilities
Management**

VA U.S. Department
of Veterans Affairs

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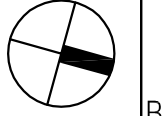


ELECTRICAL POWER PLAN 9TH FLOOR - NORTH
SCALE: 1/8" = 1'-0"

PARTITION FIRE RATING LEGEND	
---	1 HOUR FIRE
----	SMOKE BARRIER (1 HOUR FIRE)
----	2 HOUR FIRE BARRIER

- ### GENERAL POWER NOTES
- REFER TO PARTIAL POWER RISER DIAGRAM ON DWG. 1-EP501 FOR FURTHER INFORMATION.
- ### SPECIFIC POWER KEYED NOTES
- CRASH CART. CONNECT TO PANEL '9LCL1,' CKT #13 WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - MOTORIZED EXAM TABLE. CONNECT TO PANEL '9LNL1' WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - CEILING MOUNTED OVERHEAD PROJECTOR. CONNECT TO PANEL '9LNL2,' CKT #24 WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - WALL MOUNTED SMARTBOARD. CONNECT TO NORMAL PANEL AS NOTED WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - MULTI-SERVICE FLUSH POKE-THRU. CONNECT RECEPTACLES TO NORMAL PANEL AS NOTED WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - MICROWAVE. CONNECT TO PANEL '9LNL2,' CKT #21 WITH 2#12&1#12G. -3/4".
 - REFRIGERATOR/FREEZER/ICE MAKER. CONNECT TO PANEL '9LNL2,' CKT #23 WITH 2#12&1#12G. -3/4".
 - PANEL '9PGL1'.
 - PANEL '9PGL2'.
 - PANEL '9LSL1' (LIFE SAFETY).
 - PANEL '9LCL1' (CRITICAL).
 - EXISTING FEEDER APPROXIMATE LOCATION ABOVE CEILING (ETR).
 - UNDERCOUNTER MEDICAL FREEZER. CONNECT TO PANEL '9LCL1,' CKT #17 WITH 2#12&1#12G. -3/4".
 - UNDERCOUNTER MEDICAL REFRIGERATOR. CONNECT TO PANEL '9LCL1,' CKT #19 WITH 2#12&1#12G. -3/4".
 - EXISTING WIRING DEVICES IN THIS ROOM TO REMAIN AND BE MAINTAINED.
 - REMOTE ELECTRIC COOLER FOR DRINKING FOUNTAIN. CONNECT RECEPTACLE TO PANEL '9LNL8,' CKT #21 WITH 2#12&1#12G. -3/4". COORDINATE MOUNTING HEIGHT OF RECEPTACLE LOCATION WITH PLUMBING DWGS.
 - COPY MACHINE. CONNECT RECEPTACLE TO PANEL '9LNL8,' CKT #13 WITH 2#12&1#12G. -3/4".
 - PANEL '9LNL1' (NORMAL).
 - PANEL '9LNL2' (NORMAL).
 - PANEL '9LNL8' (NORMAL).
 - 3/4". WITH DRAGWIRE (TYP.)
 - APPROXIMATE LOCATION OF FUTURE NURSE CALL TERMINAL CABINET. PROVIDE 120V, 1Ø CONNECTION WIRED TO PANEL '9LCL1,' CKT #8 WITH 2#12&1#12G. -3/4".
 - MOTORIZED SECURITY GATE. (120V, 1Ø). CONNECT TO PANEL '9LNL8,' CKT #15 WITH 2#12&1#12G. -3/4". PROVIDE 3#12 IN 3/4". AND ROUTE DOWN TO WALL MOUNTED GATE CONTROLLER.
 - WALL MOUNTED SECURITY GATE CONTROLLER.
 - EXISTING VERTICAL WIREWAY AND FEEDER (ETR).
 - APPROXIMATE LOCATION OF NEW FEEDER UP TO TENTH FLOOR PANEL '10PEL1'. REFER TO DRAWING 1-EP401 FOR CONTINUATION.
 - EXISTING WIREWAY APPROXIMATE LOCATION ABOVE CEILING (ETR).

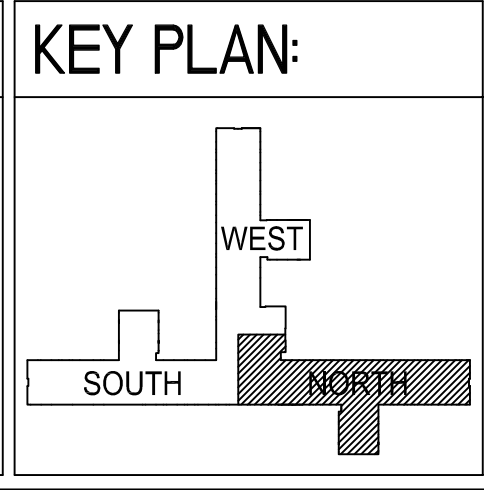
- ### SPECIFIC POWER BRANCH CIRCUIT NOTES
- ALL NORMAL BRANCH CIRCUITS IN THIS ROOM SHALL BE CIRCUITED TO PANEL '9LNL1' WITH 2#12&1#12G. -3/4".
 - ALL NORMAL BRANCH CIRCUITS IN THIS ROOM SHALL BE CIRCUITED TO PANEL '9LNL2' WITH 2#12&1#12G. -3/4".
 - UNLESS NOTED OTHERWISE, ALL RECEPTACLES DESIGNATED AS 'EMERGENCY' IN THIS AREA SHALL BE CONNECTED TO PANEL '9LCL1' WITH 2#12&1#12G. -3/4".
 - ALL RECEPTACLES DESIGNATED AS 'NORMAL' IN THE CORRIDOR AND WORK AREA SHALL BE CIRCUITED TO PANEL '9LNL1' WITH 2#12&1#12G. -3/4".
 - UNLESS NOTED OTHERWISE, ALL RECEPTACLES DESIGNATED AS 'NORMAL' IN THE CORE AREA SHALL BE CONNECTED TO PANEL '9LNL8' WITH 2#12&1#12G. -3/4".
 - CONNECT RECEPTACLES TO PANEL '9LNL8,' CKT #23 WITH 2#12&1#12G. -3/4".
 - SECURITY RACK. WIRE EMERGENCY CONNECTION TO 30A-1P C/B IN PANEL '9LCL1,' 2#10&1#10G. -3/4". WIRE NORMAL CONNECTION TO 30A-1P C/B IN PANEL '9LNL8,' 2#10&1#10G. -3/4". CIRCUIT AS INDICATED.
 - DATA RACK. WIRE EMERGENCY CONNECTION TO 30A-1P C/B IN PANEL '9LCL1,' 2#10&1#10G. -3/4". WIRE NORMAL CONNECTION TO 30A-1P C/B IN PANEL '9LNL8,' 2#10&1#10G. -3/4". CIRCUIT AS INDICATED. (TYP. FOR 2 RACKS).
 - UNLESS NOTED OTHERWISE, ALL FAN COIL UNITS (120V, 1Ø) IN THE NORTH AREA SHALL BE CONNECTED TO 20A-1P C/B IN PANEL '10LEL1' WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - UNLESS NOTED OTHERWISE, ALL FAN COIL UNITS (120V, 1Ø) IN THE CORE AREA SHALL BE CONNECTED TO 20A-1P C/B IN PANEL '10LEL1' WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - CARD READER. CONNECT TO PANEL '9LSL1,' CKT #17 WITH 2#10&1#10G. -3/4".
 - CARD READER. UNLESS NOTED OTHERWISE, CONNECT ALL CARD READERS IN THIS AREA TO PANEL '9LCL1' WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED. (TYP.)
 - (5) 120V/24V TRANSFORMERS (MOUNTED ABOVE CEILING) SERVING INDUCTION UNIT CONTROLS. CONNECT TO PANEL '10PEL1' WITH 2#12&1#12G. -3/4". CIRCUIT AS INDICATED.
 - PUBLIC ADDRESS RACK. (120V, 1Ø). CONNECT TO PANEL '9LCL1,' CKT #28 WITH 2#12&1#12G. -3/4".
 - UPS. (120V, 1Ø). CONNECT TO PANEL '9LCL1,' CKT #30 WITH 2#12&1#12G. -3/4". COORDINATION LOCATION OF RECEPTACLE WITH VETERAN'S ADMINISTRATION PRIOR TO ROUGH-IN.



BUILDING IS FULLY SPRINKLERED Scale: 1/8"=1'-0"

Revisions	Date
ISSUED FOR CONSTRUCTION	08/15/2013

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CANNONDESIGN
360 Madison Avenue, New York, New York 10017 212.972.9800
Baltimore • Boston • Buffalo • Calgary • Chicago
Houston • Los Angeles • Mumbai • New York • Phoenix
St. Louis • San Francisco • Shanghai • Toronto
Vancouver • Victoria • Washington DC

Drawing Title
ELECTRICAL POWER PLAN
9TH FLOOR - NORTH
Approved Project Director

Project Title
VA NY HARBOR HEALTHCARE SYSTEM
MANHATTAN VAMC - BUILDING 1
9TH FLOOR RENOVATIONS
Location
423 EAST 23RD STREET
NEW YORK, NY 10010
Date
AUGUST 15, 2013
Checked
IHF
Drawn
MTK/MMC

Project Number
630PR2600
Building Number
1
Drawing Number
1-EP109-N

Office of Construction & Facilities Management
VA U.S. Department of Veterans Affairs

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot

PARTITION FIRE RATING
LEGEND

- 1 HOUR FIRE
SMOKE BARRIER (1 HOUR FIRE)
2 HOUR FIRE BARRIER

GENERAL
POWER NOTES

1. REFER TO PARTIAL POWER RISER DIAGRAM ON DWG. 1-EP501 FOR FURTHER INFORMATION.

SPECIFIC
POWER KEYED NOTES

1. CRASH CART. CONNECT TO PANEL '9LCL2' WITH 2#12&1#12G.-3/4"C. CIRCUIT AS INDICATED.
2. MOTORIZED EXAM TABLE. CONNECT TO NORMAL PANEL AS NOTED WITH 2#12&1#12G.-3/4"C. CIRCUIT AS INDICATED.
3. UNDERCOUNTER MEDICAL FREEZER. CONNECT TO PANEL '9LCL2,' CK'T #2 WITH 2#12&1#12G.-3/4"C.
4. UNDERCOUNTER MEDICAL REFRIGERATOR. CONNECT TO PANEL '9LCL2,' CK'T #4 WITH 2#12&1#12G.-3/4"C.
5. PANEL '9PGL3.'
6. PANEL '9LCL2' (CRITICAL).
7. PANEL '9LNL5' (NORMAL).
8. PANEL '9LNL6' (NORMAL).
9. PANEL '9LNL7' (NORMAL).
10. PANEL '9LCL2' (CRITICAL).

SPECIFIC
POWER BRANCH CIRCUIT NOTES

- ALL NORMAL BRANCH CIRCUITS IN THIS ROOM SHALL BE CIRCUITED TO PANEL '9LNL5' WITH 2#12&1#12G.-3/4"C.
ALL NORMAL BRANCH CIRCUITS IN THIS ROOM SHALL BE CIRCUITED TO PANEL '9LNL6' WITH 2#12&1#12G.-3/4"C.
ALL NORMAL BRANCH CIRCUITS IN THIS ROOM SHALL BE CIRCUITED TO PANEL '9LNL7' WITH 2#12&1#12G.-3/4"C.
UNLESS NOTED OTHERWISE, ALL RECEPTACLES DESIGNATED AS 'EMERGENCY' SHALL BE CONNECTED TO PANEL '9LCL2' WITH 2#12&1#12G.-3/4"C.
ALL RECEPTACLES DESIGNATED AS 'NORMAL' IN THE CORRIDOR SHALL BE CIRCUITED TO PANEL '9LNL7' WITH 2#12&1#12G.-3/4"C.
CONNECT RECEPTACLES TO PANEL '9LNL7,' CK'T #23 WITH 2#12&1#12G.-3/4"C.
SECURITY RACK. WIRE EMERGENCY CONNECTION TO 30A-1P C/B IN PANEL '9LCL2,' 2#10&1#10G.-3/4"C. WIRE NORMAL CONNECTION TO 30A-1P C/B IN PANEL '9LNL7,' 2#10&1#10G.-3/4"C. CIRCUIT AS INDICATED.
DATA RACK. WIRE EMERGENCY CONNECTION TO 30A-1P C/B IN PANEL '9LCL2,' 2#10&1#10G.-3/4"C. WIRE NORMAL CONNECTION TO 30A-1P C/B IN PANEL '9LNL7,' 2#10&1#10G.-3/4"C. CIRCUIT AS INDICATED. (TYP. FOR 2 RACKS).
UNLESS NOTED OTHERWISE, ALL FAN COIL UNITS (120V, 1#) SHALL BE CONNECTED TO 20A-1P C/B IN PANEL '10LE11' WITH 2#12&1#12G.-3/4"C. CIRCUIT AS INDICATED.
CARD READER. CONNECT ALL CARD READERS IN THIS AREA TO PANEL '9LCL2' WITH 2#12&1#12G.-3/4"C. CIRCUIT AS INDICATED. (TYP.)
(5) 120V/24V TRANSFORMERS (MOUNTED ABOVE CEILING) SERVING INDUCTION UNIT CONTROLS. CONNECT TO PANEL '10PEL1' WITH 2#12&1#12G.-3/4"C. CIRCUIT AS INDICATED.
PUBLIC ADDRESS RACK, (120V, 1#). CONNECT TO PANEL '9LCL2,' CK'T #20 WITH 2#12&1#12G.-3/4"C.
UPS, (120V, 1#). CONNECT TO PANEL '9LCL2,' CK'T #22 WITH 2#12&1#12G.-3/4"C. COORDINATION LOCATION OF RECEPTACLE WITH VETERAN'S ADMINISTRATION PRIOR TO ROUGH-IN.
REFER TO DWG. 1-EP501 FOR FEEDER REQUIREMENTS.

BUILDING IS FULLY SPRINKLERED

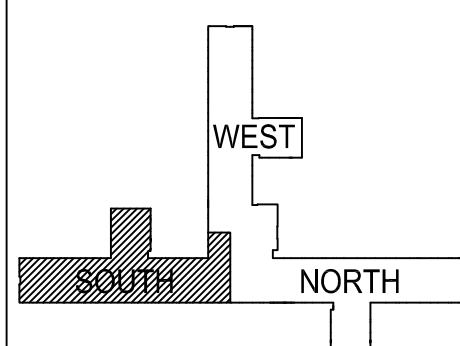
Scale: 1/8"=1'-0"

ELECTRICAL POWER PLAN 9TH FLOOR - SOUTH
SCALE: 1/8" = 1'-0"

CONSULTANTS:

ASBESTOS ABATEMENT CONSULTANT:
Egan Environmental Consulting, Inc.
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MAHWAH, NEW JERSEY 07430
Tel: (201) 848-7790 Fax: (201) 848-7791

KEY PLAN:



ARCHITECT/ENGINEERS:

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Baltimore • Boston • Buffalo • Calgary • Chicago
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Drawing Title
ELECTRICAL POWER PLAN
9TH FLOOR - SOUTH

Approved Project Director

Project Title
VA NY HARBOR HEALTHCARE SYSTEM
MANHATTAN VAMC - BUILDING 1
9TH FLOOR RENOVATIONS

Location
423 EAST 23RD STREET
NEW YORK, NY 10010

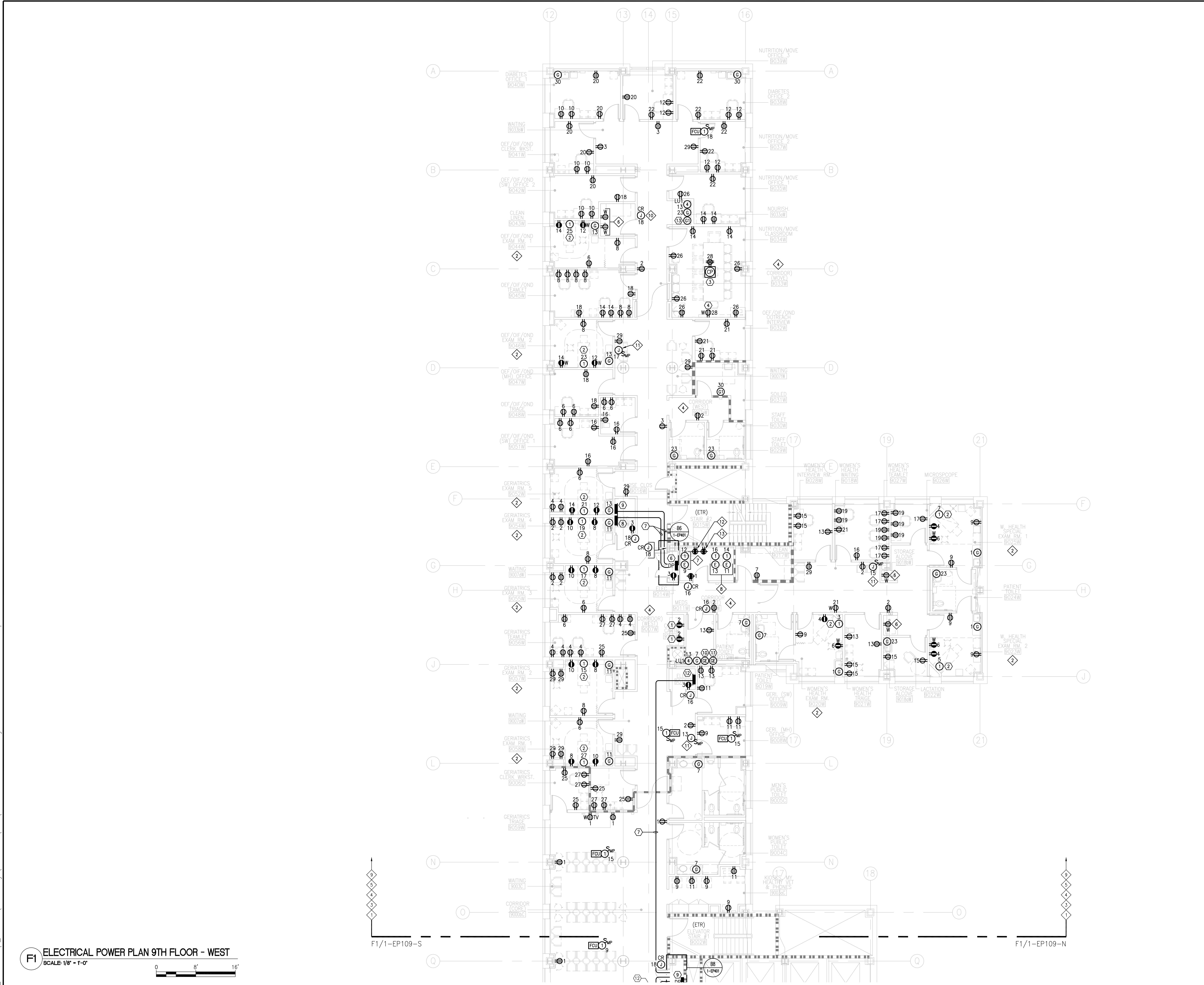
Project Number
630PR2600
Building Number
1

Drawing Number
1-EP109-S

Office of
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Management

VA U.S. Department
of Veterans Affairs

three inches = one foot
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one inch = one foot
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one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



PARTITION FIRE RATING

LEGEND

1 HOUR FIRE

SMOKE BARRIER (1 HOUR FIRE)

2 HOUR FIRE BARRIER

GENERAL

POWER NOTES

1. REFER TO PARTIAL POWER RISER DIAGRAM ON DWG. 1-EP501 FOR FURTHER INFORMATION.

SPECIFIC

POWER KEYED NOTES

1. CRASH CART. CONNECT TO PANEL '9LCL3,' CKT #2 WITH 2#12&1#12G. -3/4°C.

2. MOTORIZED EXAM TABLE. CONNECT TO NORMAL PANEL AS NOTED WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

3. FLUSH MOUNTED FLOOR BOX. CONNECT TO PANEL '9LNL3' WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

4. WALL MOUNTED SMARTBOARD. CONNECT TO PANEL '9LNL3' AS NOTED WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

5. AUTOMATIC HAND DRYER. CONNECT TO PANEL '9LNL3' WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

6. PANEL '9PGL4.'

7. REFER TO DWG. 1-EP501 FOR FEEDER REQUIREMENTS.

8. PANEL '9LNL3' (NORMAL).

9. PANEL '9LNL4' (NORMAL).

10. UNDERCOUNTER MEDICAL FREEZER. CONNECT TO PANEL '9LCL3,' CKT #5 WITH 2#12&1#12G.-3/4°C.

11. UNDERCOUNTER MEDICAL REFRIGERATOR. CONNECT TO PANEL '9LCL1,' CKT #7 WITH 2#12&1#12G.-3/4°C.

12. PANEL '9LCL3' (CRITICAL).

13. UNDERCOUNTER REFRIGERATOR. CONNECT TO PANEL '9LNL3,' CKT #30 WITH 2#12&1#12G.-3/4°C.

SPECIFIC

POWER BRANCH CIRCUIT NOTES

1. UNLESS NOTED OTHERWISE, ALL NORMAL BRANCH CIRCUITS IN THIS AREA SHALL BE CIRCUITED TO PANEL '9LNL3' WITH 2#12&1#12G.-3/4°C.

2. ALL NORMAL BRANCH CIRCUITS IN THIS ROOM SHALL BE CIRCUITED TO PANEL '9LNL4' WITH 2#12&1#12G.-3/4°C.

3. UNLESS NOTED OTHERWISE, ALL RECEPTACLES DESIGNATED AS 'EMERGENCY' SHALL BE CONNECTED TO PANEL '9LCL3' WITH 2#12&1#12G.-3/4°C.

4. ALL RECEPTACLES DESIGNATED AS 'NORMAL' IN THE CORRIDOR SHALL BE CIRCUITED TO PANEL '9LNL3' WITH 2#12&1#12G.-3/4°C.

5. ALL UNDERCABINET LIGHT FIXTURES IN THIS WING SHALL BE CIRCUITED TO PANEL '9LNL3' WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

6. CONNECT RECEPTACLES TO PANEL '9LNL4,' CKT #10 WITH 2#12&1#12G.-3/4°C.

7. SECURITY RACK. WIRE EMERGENCY CONNECTION TO 30A-1P C/B IN PANEL '9LCL3,' 2#10&1#10G.-3/4°C. WIRE NORMAL CONNECTION TO 30A-1P C/B IN PANEL '9LNL4,' 2#10&1#10G.-3/4°C. CIRCUIT AS INDICATED.

8. DATA RACK. WIRE EMERGENCY CONNECTION TO 30A-1P C/B IN PANEL '9LCL3,' 2#10&1#10G.-3/4°C. WIRE NORMAL CONNECTION TO 30A-1P C/B IN PANEL '9LNL4,' 2#10&1#10G.-3/4°C. CIRCUIT AS INDICATED. (TYP. FOR 2 RACKS).

9. UNLESS NOTED OTHERWISE, ALL FAN COIL UNITS (120V, 1ø) SHALL BE CONNECTED TO 20A-1P C/B IN PANEL '10LEL1' WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

10. CARD READER. CONNECT ALL CARD READERS IN THIS AREA TO PANEL '9LCL3' WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED. (TYP.)

11. (S) 120V/24V TRANSFORMERS (MOUNTED ABOVE CEILING) SERVING INDUCTION UNIT CONTROLS. CONNECT TO PANEL '10PEL1' WITH 2#12&1#12G.-3/4°C. CIRCUIT AS INDICATED.

12. PUBLIC ADDRESS RACK. (120V, 1ø). CONNECT TO PANEL '9LCL3,' CKT #20 WITH 2#12&1#12G.-3/4°C.

13. UPS. (120V, 1ø). CONNECT TO PANEL '9LCL3,' CKT #22 WITH 2#12&1#12G.-3/4°C. COORDINATION LOCATION OF RECEPTACLE WITH VETERAN'S ADMINISTRATION PRIOR TO ROUGH-IN.

BUILDING IS FULLY SPRINKLERED

Scale: 1/8"=1'-0"

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Drawing Title

ELECTRICAL POWER PLAN
9TH FLOOR - WEST

Approved Project Director

Project Title

VA NY HARBOR HEALTHCARE SYSTEM
MANHATTAN VAMC - BUILDING 1
9TH FLOOR RENOVATIONS

Location

423 EAST 23RD STREET
NEW YORK, NY 10010

Date

AUGUST 15, 2013

Checked

IHF

Drawn

MTK / MMC

Project Number

630PR2600

Building Number

1

Drawing Number

1-EP109-W

Office of
Construction &
Facilities
Management

VA U.S. Department
of Veterans Affairs

FI ELECTRICAL POWER PLAN 9TH FLOOR - WEST
SCALE: 1/8" = 1'-0"

Revisions:	Date:
ISSUED FOR CONSTRUCTION	08/15/2013

VA FORM 08-6231



BUILDING IS FULLY SPRINKLERED

Office of
Construction &
Facilities
Management

VA | U.S. Department
of Veterans Affairs

FEEDER ID	AMPS	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	GND (AWG)	MIN. CONDUIT SIZE		FEEDER ID	AMPS	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	GND (AWG)	MIN. CONDUIT SIZE
30/3	30	(3)#10	--	#10	3/4		200/3	200	(3)#3/0	--	#6	2
30/4	30	(3)#10	(1)#10	#10	3/4		200/4	200	(3)#3/0	(1)#3/0	#6	2
30/5	30	(3)#10	(1)#6	#10	3/4		200/5	200	(3)#3/0	(2)#3/0	#6	2-1/2
40/3	40	(3)#8	--	#10	3/4		225/3	225	(3)#4/0	--	#4	2
40/4	40	(3)#8	(1)#8	#10	3/4		225/4	225	(3)#4/0	(1)#4/0	#4	2-1/2
40/5	40	(3)#8	(1)#2	#10	1		225/5	225	(3)#4/0	(2)#4/0	#4	2-1/2
50/3	50	(3)#6	--	#10	1		250/3	250	(3)250KCMIL	--	#4	2-1/2
50/4	50	(3)#6	(1)#6	#10	1-1/4		250/4	250	(3)250KCMIL	(1)250KCMIL	#4	2-1/2
50/5	50	(3)#6	(1)#2	#10	1-1/4		250/5	250	(3)250KCMIL	(2)250KCMIL	#4	3
60/3	60	(3)#4	--	#10	1-1/4		300/3	300	(3)350KCMIL	--	#4	2-1/2
60/4	60	(3)#4	(1)#4	#10	1-1/4		300/4	300	(3)350KCMIL	(1)350KCMIL	#4	3
60/5	60	(3)#4	(1)#1/0	#10	1-1/4		300/5	300	(3)350KCMIL	(2)350KCMIL	#4	3
70/3	70	(3)#4	--	#8	1-1/4		350/3	350	(3)500KCMIL	--	#2	3
70/4	70	(3)#4	(1)#4	#8	1-1/4		350/4	350	(3)500KCMIL	(1)500KCMIL	#2	3-1/2
70/5	70	(3)#4	(1)#1/0	#8	1-1/4		350/5	350	(3)500KCMIL	(2)500KCMIL	#2	3-1/2
90/3	90	(3)#2	--	#8	1-1/4		400/3	400	(6)#3/0	--	(2)#2	(2)2
90/4	90	(3)#2	(1)#2	#8	1-1/4		400/4	400	(6)#3/0	(2)#3/0	(2)#2	(2)2
90/5	90	(3)#2	(1)#3/0	#8	1-1/2		400/5	400	(6)#3/0	(4)#3/0	(2)#2	(2)2-1/2
100/3	100	(3)#1	--	#8	1-1/4		500/3	500	(6)250KCMIL	--	(2)#2	(2)2-1/2
100/4	100	(3)#1	(1)#1	#8	1-1/2		500/4	500	(6)250KCMIL	(2)250KCMIL	(2)#2	(2)2-1/2
100/5	100	(3)#1	(1)#3/0	#8	2		500/5	500	(6)250KCMIL	(4)250KCMIL	(2)#2	(2)3
125/3	125	(3)#1	--	#6	1-1/2		600/3	600	(6)350KCMIL	--	(2)#1	(2)2-1/2
125/4	125	(3)#1	(1)#1	#6	1-1/2		600/4	600	(6)350KCMIL	(2)350KCMIL	(2)#1	(2)3
125/5	125	(3)#1	(1)250KCMIL	#6	2		600/5	600	(6)350KCMIL	(4)350KCMIL	(2)#1	(2)3
150/3	150	(3)#1/0	--	#6	1-1/2		700/3	700	(6)500KCMIL	--	(2)#1/0	(2)3
150/4	150	(3)#1/0	(1)#1/0	#6	2		700/4	700	(6)500KCMIL	(2)500KCMIL	(2)#1/0	(2)3-1/2
150/5	150	(3)#1/0	(2)#1/0	#6	2		700/5	700	(6)500KCMIL	(4)500KCMIL	(2)#1/0	(2)3-1/2
175/3	175	(3)#2/0	--	#6	1-1/2		800/3	800	(9)300KCMIL	--	(3)#1/0	(3)2-1/2
175/4	175	(3)#2/0	(1)#2/0	#6	2		800/4	800	(9)300KCMIL	(3)300KCMIL	(3)#1/0	(3)3
175/5	175	(3)#2/0	(2)#2/0	#6	2		800/5	800	(9)300KCMIL	(6)300KCMIL	(3)#1/0	(3)3

1. LIGHTING DEMAND LOAD FACTORS BASED ON NEC, TABLE 220.42.
2. RECEPTACLE DEMAND LOAD FACTORS BASED ON NEC, TABLE 220.44.
3. HVAC MOTOR LOAD DEMAND FACTORS TAKEN AT 100%.

LOCATION: EMERG. ELEC. CLOSET 9131C				REMARKS: 22 kVAC				PANEL DESIGNATION: 9LCL1 (CRITICAL - NORTH)						
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE				MAIN OVERCURRENT PROTECTION: M.C.B. : M.L.O. : 100A POLES: 42										
MAINS: 100 AMPS														
MOUNTING TYPE: SURFACE														
GROUNDING: GROUND BUS: YES														
				CONN. KVA										
SERVICE TO:								SERVICE TO:						
				A	B	C	SIZE	NO.	NO.	SIZE	A	B	C	
PAT. EXAM RM. - EXAM REC. (4)				0.72			20	1	-	2	30	1.00		
PAT. EXAM RM. - WORKSTATION REC. (4)					0.72		20	3	-	4	30		1.00	
PAT. EXAM RM. - EXAM REC. (4)						0.72	20	5	-	6	30		1.00	
PAT. EXAM RM. - WORKSTATION REC. (4)				0.72			20	7	-	8	20	0.50		
PAT. EXAM RM. - EXAM REC. (4)					0.72		20	9	-	10	20	0.66		
PAT. EXAM RM. - WORKSTATION REC. (4)						0.72	20	11	-	12	20		1.12	
CORRIDOR - CRASH CART - REC. (2)				0.36			20	13	-	14	20	0.72		
ELEC. / I.T. RM. - REC. (5)					0.90		20	15	-	16	20	0.72		
MED. RM. - U/C MED. FREEZER (1)						0.18	20	17	-	18	20		0.90	
MED. RM. - U/C MED. FREEZER (1)				0.18			20	19	-	20	20	0.54		
CORE - STRETCHER ALCOVE (1)					0.18		20	21	-	22	20	0.36		
CORE - I.T. 90505 REC. (1)						0.18	20	23	-	24	20		0.18	
CORE - I.T. 90506 REC. (1)				0.18			20	25	-	26	20	0.54		
CORE - I.T. 90506 REC CAB. (1)					0.18		20	27	-	28	20		1.00	
SPACE					-	-	28	30	-	30	20		1.20	
SPACE					-	-	31	-	-	32	-			
SPACE					-	-	33	-	-	34	-			
SPACE					-	-	35	-	-	36	-			
SPACE					-	-	37	-	-	38	-			
SPACE					-	-	39	-	-	40	-			
SPACE					-	-	41	-	-	42	-			
SUBTOTALS				2.2	2.7	1.8					3.3	3.7	4.4	
TOTAL LOADS:				5.5	KVA PHASE A	45.5	A PHASE A	CONNECTED LOAD (REC.):				16.1	KVA	
				6.4	KVA PHASE B	53.7	A PHASE B	DEMAND LOAD (REC.):				13.1	KVA	
				6.2	KVA PHASE C	51.6	A PHASE C	CONNECTED LOAD (LTG):				1.7	KVA	
								DEMAND LOAD (LTG):				0.7	KVA	
VOLTAGE: 208 V								TOTAL CONNN. LOAD (KVA):				17.9	KVA	
								TOTAL DEMAND LOAD (KVA):				13.8	KVA	
								TOTAL CONNN. LOAD (A)				50	A	
								TOTAL DEMAND LOAD (A)				38	A	

LOCATION: EMERG. ELEC. CLOSET 90755				REMARKS: 22 kVAC				PANEL DESIGNATION: 9LCL2 (CRITICAL - SOUTH)						
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE				MAIN OVERCURRENT PROTECTION: M.C.B. - 100A										
MAINS: 100 AMPS				M.L.O.: 100A										
MOUNTING TYPE: SURFACE				POLES: 42										
				CONN. KVA										
SERVICE TO:								SERVICE TO:						
				A	B	C	SIZE	NO.	NO.	SIZE	A	B	C	
PAT. EXAM RM. - EXAM REC. (4)	0.72			20	1	-	2	20	0.18					MED. RM. - U/C MED. FREEZER (1)
PAT. EXAM RM. - WORKSTATION REC. (4)		0.72		20	2		4	20		0.18				MED. RM. - U/C MED. FRIDGE (1)
PAT. EXAM RM. - EXAM REC. (4)			0.72	20	5		6	30			1.00			LT. RM. - SECURITY RACK (1)
PAT. EXAM RM. - WORKSTATION REC. (4)	0.72			20	7	-	8	30	1.00					LT. RM. - DATA RACK (1)
PAT. EXAM RM. - EXAM REC. (4)		0.72		20	9		10	30		1.00				LT. RM. - DATA RACK (1)
PAT. EXAM RM. - WORKSTATION REC. (4)			0.72	20	11		12	20			0.79			SOUTH WING - LTG.
PAT. EXAM RM. - EXAM REC. (4)	0.72			20	13	-	14	20	1.24					SOUTH WING - LTG.
PAT. EXAM RM. - WORKSTATION REC. (4)		0.72		20	15		16	30		0.72				SOUTH WING - CARD READERS (4)
PAT. EXAM RM. - EXAM REC. (4)			0.72	20	17		18	20			0.54			SOUTH WING - CARD READERS (3)
PAT. EXAM RM. - WORKSTATION REC. (4)	0.72			20	19	-	20	20	1.00					LT. RM. - PUBLIC ADDRESS
PAT. EXAM RM. - EXAM REC. (4)		0.72		20	21		22	20		1.20				LT. RM. - UPS
PAT. EXAM RM. - WORKSTATION REC. (4)			0.72	20	23		24	20						- SPARE
CORRIDOR - CRASH CART - REC. (2)	0.36			20	25	-	26	20						SPARE
LT. RM. - REC. (2)		0.36		20	27		28	20						SPARE
ELEC. RMS. - REC. (4)			0.72	20	29	30	-							SPACE
SPACE	-			-	31	-	32	-						SPACE
SPACE	-			-	33	-	34	-						SPACE
SPACE	-			-	35	-	36	-						SPACE
SPACE	-			-	37	-	38	-						SPACE
SPACE	-			-	39	-	40	-						SPACE
SPACE	-			-	41	-	42	-						SPACE
SUBTOTALS				3.2	3.2	3.6				3.4	3.1	2.3		
TOTAL LOADS:				6.7	KVA PHASE A	55.5	A PHASE A	CONNECTED LOAD (REC.):				16.9	KVA	
				6.3	KVA PHASE B	52.8	A PHASE B	DEMAND LOAD (REC.):				13.5	KVA	
				5.9	KVA PHASE C	49.4	A PHASE C	CONNECTED LOAD (LTG):				2.0	KVA	
								DEMAND LOAD (LTG):				0.8	KVA	
VOLTAGE: 208 V								TOTAL CONN. LOAD (KVA):				18.9	KVA	
								TOTAL DEMAND LOAD (KVA):				14.3	KVA	
								TOTAL CONN. LOAD (A)				5.3	A	
								TOTAL DEMAND LOAD (A)				4.0	A	

LOCATION: EMERG. ELEC. CLOSET 9010W				22 KVA				PANEL DESIGNATION: 9LCL3 (CRITICAL - WEST)					
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE				MAIN OVERCURRENT PROTECTION: M.C.B.:									
MAINS: 100 AMPS				M.L.O.: 100A									
MOUNTING TYPE: SURFACE				POLES: 42									
GROUNDING: GROUND BUS: YES													
				CONN. KVA									
SERVICE TO:				A	B	C	SIZE	NO.	NO.	SIZE	A	B	C
I.T. RM. - REC. (2)				0.36			20	1	2	20	0.36		
ELEC. RM. - REC. (3)					0.54		20	3	4	20		0.54	
MED. RM. - U/C MED. FREEZER (1)						0.18	20	5	6	20			0.54
MED. RM. - U/C MED. FRIDGE (1)				0.18			20	7	8	20	0.72		
I.T. RM. - SECURITY RACK (1)					1.00		30	9	10	20		0.72	
I.T. RM. - DATA RACK (1)						1.00	30	11	12	20		0.54	
I.T. RM. - DATA RACK (1)				1.00			30	13	14	20	0.54		
WEST WING - LTG.					0.69		20	15	16	20		0.54	
WEST WING - LTG.						0.46	20	17	18	20		0.54	
SPARE				-			20	19	20	20	1.00		
SPARE				-			20	21	22	20	1.20		
SPARE				-			20	23	24	20		-	
SPARE				-			20	25	26	20		-	
SPARE				-			20	27	28	20		-	
SPARE				-			20	29	30	-		-	
SPACE				-			-	31	32	-		-	
SPACE				-			-	33	34	-		-	
SPACE				-			-	35	36	-		-	
SPACE				-			-	37	38	-		-	
SPACE				-			-	39	40	-		-	
SPACE				-			-	41	42	-		-	
SUBTOTALS				1.5	2.2	1.6					2.6	3.0	1.6
TOTAL LOADS:				4.2	KVA PHASE A	34.7	A PHASE A	CONNECTED LOAD (REC.):				11.5	KVA
				5.2	KVA PHASE B	43.6	A PHASE B	CONNECTED LOAD (REC.):				10.8	KVA
				3.3	KVA PHASE C	27.2	A PHASE C	CONNECTED LOAD (LTG):				1.2	KVA
								DEMAND LOAD (LTG):				0.5	KVA
VOLTAGE: 208 V								TOTAL CONN. LOAD (KVA):				12.7	KVA
								TOTAL DEMAND LOAD (KVA):				11.2	KVA
								TOTAL CONN. LOAD (A)				35	A
								TOTAL DEMAND LOAD (A)				31	A

LOCATION:						NORMAL ELEC. CLOSET 9165N						REMARKS:						PANEL DESIGNATION:					
SERVICE:						120/208 VOLTS, 3 PHASE, 4 WIRE						22 KVA						<div style="text-align: center;"> <h1>9LNL1</h1> <p>(NORMAL - NORTH)</p> </div>					
MAINS:						150 AMPS						MAIN OVERCURRENT PROTECTION:											
MOUNTING TYPE:						SURFACE						M.C.B. -											
GROUNDING:						GROUND BUS: YES						M.L.O.: 150A POLES: 60											
						CONN. KVA																	
SERVICE TO:						A	B	C	SIZE	NO.	1	2	NO	SIZE	A	B	C	SERVICE TO:					
PAT. EXAM RM. - GFI REC. (4)						0.72				20	1	-	20	0.72			PAT. EXAM RM. - GFI REC. (4)						
PAT. EXAM RM. - EXAM TABLE (1)							1.44			20	3	-	4	20		1.44	PAT. EXAM RM. - EXAM TABLE (1)						
PAT. EXAM RM. - EXAM TABLE (1)								1.44		20	5	-	6	20			PAT. EXAM RM. - EXAM TABLE (1)						
PAT. EXAM RM. - EXAM TABLE (1)						1.44				20	7	-	8	20	1.44		PAT. EXAM RM. - EXAM TABLE (1)						
PAT. EXAM RM. - EXAM TABLE (1)							1.44			20	9	-	10	20		1.44	PAT. EXAM RM. - EXAM TABLE (1)						
PAT. EXAM RM. - CONV. REC. (4)								0.72		20	11	-	12	20			PAT. EXAM RM. - CONV. REC. (4)						
PAT. EXAM RM. - EXAM REC. (4)						0.72				20	13	-	14	20	0.72		PAT. EXAM RM. - EXAM REC. (4)						
PAT. EXAM RM. - GFI REC. (4)							0.72			20	15	-	16	20		0.72	CORRIDOR / WORK AREA - REC (6)						
PAT. EXAM RM. - EXAM TABLE (1)								1.44		20	17	-	18	20			TEAMLET RM. - REC (6)						
PAT. EXAM RM. - EXAM TABLE (1)						1.44				20	19	-	20	20	1.08		TEAMLET RM. - REC (6)						
PAT. EXAM RM. - EXAM TABLE (1)							1.44			20	21	-	22	20		1.08	TEAMLET RM. - REC (6)						
PAT. EXAM RM. - EXAM TABLE (1)								1.44		20	23	-	24	20		1.08	TEAMLET RM. - REC (6)						
PAT. EXAM RM. - CONV. REC. (4)						0.72				20	25	-	26	20	1.08		PRECEPTOR RM. - REC (6)						
PAT. EXAM RM. - EXAM REC. (4)							0.72			20	27	-	28	20		1.08	PRECEPTOR/TEAMLET RM. - REC. (6)						
CORRIDOR / WORK AREA - REC (6)								0.90		20	29	-	30	20			TEAMLET RM. - REC (6)						
CORRIDOR / WORK AREA - REC (4)						0.72				20	31	-	32	20	0.72		WORK AREA - REC. (4)						
SFAPR						-				20	33	-	34	20	-	-	SFAPR						
SFAPR						-				20	35	-	36	20	-	-	SFAPR						
SFAPR						-				20	37	-	38	20	-	-	SFAPR						
SFAPR						-				20	39	-	40	20	-	-	SFAPR						
SFAPR						-				20	41	-	42	20	-	-	SFAPR						
SFAPR						-				20	43	-	44	20	-	-	SFAPR						
SFAPR						-				20	45	-	46	20	-	-	SFAPR						
SPACE						-				47	48	-	48	20	-	-	SPACE						
SPACE						-				49	50	-	-	-	-	-	SPACE						
SPACE						-				51	52	-	-	-	-	-	SPACE						
SPACE						-				53	54	-	-	-	-	-	SPACE						
SPACE						-				5													

		<div>CONSULTANTS:</div> <div>ASBESTOS ABATEMENT CONSULTANT: <i>Egan Environmental Consulting, Inc.</i> 14 HIGH STREET MAHWAH, NEW JERSEY 07430 Tel: (201) 848-7790 Fax: (201) 848-7791</div>			<div>ARCHITECT/ENGINEERS:</div> <div>CANNONDESIGN 360 Madison Avenue, New York, New York 10017 212.972.9800 Baltimore ■ Boston ■ Buffalo ■ Calgary ■ Chicago Houston ■ Los Angeles ■ Mumbai ■ New York ■ Phoenix St. Louis ■ San Francisco ■ Shanghai ■ Toronto Vancouver ■ Victoria ■ Washington DC</div>	<div>Drawing Title</div> <div>ELECTRICAL SCHEDULES SHEET NO. 1</div>	<div>Project Title</div> <div>VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN VAMC - BUILDING 1 9TH FLOOR RENOVATIONS</div>	<div>Project Number</div> <div>630PR2600</div>	<div>Office of Construction & Facilities Management</div>
<div>Revisions:</div>	<div>Date</div>					<div>Approved Project Director</div>	<div>Location</div> <div>423 EAST 23RD STREET NEW YORK, NY 10010</div>	<div>Drawing Number</div> <div>1-EP601</div>	<div>VA</div> <div>U.S. Department of Veterans Affairs</div>
<div>ISSUED FOR CONSTRUCTION</div>	<div>08/15/2013</div>						<div>Date</div> <div>AUGUST 15, 2013</div>	<div>Checked</div> <div>IHF</div>	

LOCATION:		NORMAL ELEC. CLOSET 916EN						REMARKS:				PANEL DESIGNATION: 9LNL2 (NORMAL - NORTH)	
SERVICE:		120/208 VOLTS, 3 PHASE, 4 WIRE						22 KVA					
MAINS:		150 AMPS						MAIN OVERCURRENT PROTECTION:					
MOUNTING TYPE:		SURFACE						M.C.B.:					
GROUNDING:		GROUND BUS: YES						M.L.O.: 150A POLES: 60					
		CONN. KVA						CONN. KVA					
SERVICE TO:		A	B	C	SIZE	NO.		NO.	SIZE	A	B	C	SERVICE TO:
MED. RM./TOILET - GFI REC. (6)		1.08			20	1	-	2	20	1.08			OFFICE - REC. (6)
OFFICE - REC. (6)			1.08		20	3	-	4	20		1.08		OFFICE - REC. (6)
OFFICE - REC. (6)				1.08	20	5	-	6	20			1.08	OFFICE - REC. (6)
OFFICE - REC. (6)		1.08			20	7	-	8	20	1.08			OFFICE - REC. (6)
OFFICE - GFI REC. (5)			0.54		20	9	-	10	20		1.08		OFFICE - REC. (6)
OFFICE - REC. (6)				1.08	20	11	-	12	20			1.08	OFFICE - REC. (6)
OFFICE - REC. (6)		1.08			20	13	-	14	20	1.08			OFFICE - REC. (6)
OFFICE - REC. (6)			1.08		20	15	-	16	20		1.08		OFFICE - REC. (6)
OFFICE - REC. (6)				1.08	20	17	-	18	20			1.08	OFFICE - REC. (6)
OFFICE - REC. (6)		1.08			20	19	-	20	20	1.08			OFFICE REC. (6)
STAFF LOUNGE - MICROWAVE REC. (1)			1.50		20	21	-	22	20		0.90		OFFICE/CONF. RM. - REC. (5)
STAFF LOUNGE - REFR./FRZ. REC. (1)				1.00	20	23	-	24	20			1.08	CONF. RM. - REC. (6)
OFFICE - REC. (6)		1.08			20	25	-	26	20	1.08			CONF. RM. / TRIAGE - REC. (6)
OFFICE - REC. (6)			1.08		20	27	-	28	20		1.08		CONF. RM. / TRIAGE - REC. (6)
OFFICE - REC. (6)				1.08	20	29	-	30	20			0.72	TRIAGE - REC. (4)
OFFICE - REC. (6)		1.08			20	31	-	32	20	-	-	-	SPARE
SPARE			-		20	33	-	34	20	-	-	-	SPARE
SPARE			-		20	35	-	36	20	-	-	-	SPARE
SPARE			-		20	37	-	38	20	-	-	-	SPARE
SPARE			-		20	39	-	40	20	-	-	-	SPARE
SPARE			-		20	41	-	42	20	-	-	-	SPARE
SPARE			-		20	43	-	44	20	-	-	-	SPARE
SPARE			-		20	45	-	46	20	-	-	-	SPARE
SPACE			-		-	47	-	48	20	-	-	-	SPACE
SPACE			-		-	49	-	50	-	-	-	-	SPACE
SPACE			-		-	51	-	52	-	-	-	-	SPACE
SPACE			-		-	53	-	54	-	-	-	-	SPACE
SPACE			-		-	55	-	56	-	-	-	-	SPACE
SPACE			-		-	57	-	58	-	-	-	-	SPACE
SPACE			-		-	59	-	60	-	-	-	-	SPACE
SUBTOTALS		6.5	5.3	5.3					5.4	5.2	5.0		
TOTAL LOADS:		11.9	KVA PHASE B	99.0	A PHASE A		CONNECTED LOAD (REC.):		32.7	KVA			
		10.5	KVA PHASE B	87.5	A PHASE B		DEMAND LOAD (REC.):		21.4	KVA			
		10.4	KVA PHASE C	86.3	A PHASE C		CONNECTED LOAD (LTG):		-				
							DEMAND LOAD (LTG):		-				
VOLTAGE: 208 V								TOTAL CONN. LOAD (KVA):	32.7	KVA			
								TOTAL DEMAND LOAD (KVA):	21.4	KVA			
								TOTAL CONN. LOAD (A)	91	A			
								TOTAL DEMAND LOAD (A)	59	A			
NOTE: PANELBOARD SHALL BE PROVIDED IN (1) SINGLE VERTICAL ENCLOSURE. SIDE-BY-SIDE ENCLOSURE CONFIGURATION NOT ACCEPTABLE.													

LOCATION:		NORMAL ELEC. CLOSET 9053W				REMARKS:				PANEL DESIGNATION:			
SERVICE:		120/208 VOLTS, 3 PHASE, 4 WIRE				22 kAIC				<div>9LN14</div> <div>(NORMAL – WEST)</div>			
MAINS:		125 AMPS				MAIN OVERCURRENT PROTECTION:							
MOUNTING TYPE:		SURFACE				M.C.B.:							
GROUNDING:		GROUND BUS: YES				W.L.O.: 125A POLES: 42							
		CONN. KVA				CONN. KVA							
SERVICE TO:		A	B	C	SIZE	NO.	NO.	SIZE	A	B	C	SERVICE TO:	
W. HEALTH EXAM RM. – GFI REC. (3)		0.54			20	1	–	2	20	0.72			GERIATRIC EXAM RM. – EXAM REC. (4)
W. HEALTH EXAM RM. – EXAM TABLE (1)			1.44		20	3	4	20		0.36			GERIATRIC EXAM RM. – EXAM REC. (2)
W. HEALTH EXAM RM. – EXAM TABLE (1)				1.44	20	5	6	20			0.72		GERIATRIC EXAM RM. – CONV. REC. (4)
W. HEALTH EXAM RM. – EXAM TABLE (1)		1.44			20	7	–	8	20	0.72			GERIATRIC EXAM RM. – CONV. REC. (4)
W. HEALTH EXAM RM. – CONV. REC. (5)			0.90		20	9	10	20		0.72			CLEAN LINEN/ STOR. ALC. – REC. (4)
GERIATRIC EXAM RM. – GFI. REC. (4)				0.72	20	11	12	30			1.00		I.T. RM. – SECURITY RACK (1)
GERIATRIC EXAM RM. – GFI. REC. (3)		0.54			20	13	–	14	30	1.00			I.T. RM. – DATA RACK (1)
GERIATRIC EXAM RM. – EXAM TABLE (1)			1.44		20	15	16	30		1.00			I.T. RM. – DATA RACK (1)
GERIATRIC EXAM RM. – EXAM TABLE (1)				1.44	20	17	18	20					SPARE
GERIATRIC EXAM RM. – EXAM TABLE (1)		1.44			20	19	–	20	20	–			SPARE
GERIATRIC EXAM RM. – EXAM TABLE (1)			1.44		20	21	22	20					SPARE
GERIATRIC EXAM RM. – EXAM TABLE (1)				1.44	20	23	24	20			1.64		WEST WING – LTG.
GERIATRIC EXAM RM. – EXAM TABLE (1)		1.44			20	25	–	26	20	1.77			WEST WING – LTG.
GERIATRIC EXAM RM. – EXAM TABLE (1)			1.44		20	27	28	20		0.61			WEST WING – LTG.
GERIATRIC EXAM RM. – EXAM REC. (4)				0.72	20	29	30	–					SPACE
SPACE		–	–		–	31	–	32	–	–			SPACE
SPACE		–	–		–	33	34	–	–	–			SPACE
SPACE		–	–		–	35	36	–	–	–			SPACE
SPACE		–	–		–	37	–	38	–	–			SPACE
SPACE		–	–		–	39	40	–	–	–			SPACE
SPACE		–	–		–	41	42	–	–	–			SPACE
SUBTOTALS		5.4	6.7	5.8					4.2	2.7	3.4		
TOTAL LOADS:		9.6	KVA PHASE A		80.1	A PHASE A			CONNECTED LOAD (REC.):			24.1	KVA
		9.4	KVA PHASE B		77.9	A PHASE B			DEMAND LOAD (REC.):			17.0	KVA
		9.1	KVA PHASE C		76.0	A PHASE C			CONNECTED LOAD (LTG):			4.0	KVA
									DEMAND LOAD (LTG):			1.6	KVA
VOLTAGE: 208 V									TOTAL CONN. LOAD (KVA):			28.1	KVA
									TOTAL DEMAND LOAD (KVA):			18.6	KVA
									TOTAL CONN. LOAD (A)			78	A
									TOTAL DEMAND LOAD (A)			52	A

LOCATION:		NORMAL ELEC. CLOSET 9106BBS				REMARKS:				PANEL DESIGNATION: <div style="font-size: 2em; font-weight: bold;">9LN16</div> (NORMAL - SOUTH)			
SERVICE:		120/208 VOLTS, 3 PHASE, 4 WIRE				22 KVA							
MAINS:		150 AMPS				MAX OVERCURRENT PROTECTION:							
MOUNTING TYPE:		SURFACE				M.C.B.'s -							
GROUNDING:		GROUND BUS: YES				M.L.O.: 150A							
		CONN. KVA				CONN. KVA							
SERVICE TO:		A	B	C	SIZE	NO.	NO.	SIZE	A	B	C	SERVICE TO:	
PAT. EXAM RM. - GFI REC. (4)		0.72			20	1	-	2	20	1.08		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)			1.44		20	3		4		1.08		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)				1.44	20	5		6			1.08	TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)		1.44			20	7	-	8	20	0.90		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)			1.44		20	9		10	20	1.08		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - CONV. REC. (6)				0.90	20	11		12	20		0.90	TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM REC. (4)		0.72			20	13	-	14	20	1.08		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - GFI REC. (4)			0.72		20	15		16	20		1.08	TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)				1.44	20	17		18	20		1.08	TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)		1.44			20	19	-	20	20	1.08		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)			1.44		20	21		22	20		1.08	TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM TABLE (1)				1.44	20	23		24	20		1.08	TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - CONV. REC. (4)		0.72			20	25	-	26	20	1.08		TEAMLET RM. - REC. (6)	
PAT. EXAM RM. - EXAM REC. (4)			0.72		20	27		28	20		1.08	TEAMLET RM. - REC. (6)	
TEAMLET RM. - REC. (6)		-		1.08	20	31		30	20		1.08	TEAMLET RM. - REC. (6)	
SPACE		-	-		20	33		32	20		-	SPACE	
SPACE		-	-		20	33		34	20		-	SPACE	
SPACE		-	-		20	35		36	20		-	SPACE	
SPACE		-	-		20	37		38	20		-	SPACE	
SPACE		-	-		20	39		40	20		-	SPACE	
SPACE		-	-		20	41		42	20		-	SPACE	
SPACE		-	-		20	43		44	20		-	SPACE	
SPACE		-	-		20	45		46	20		-	SPACE	
SPACE		-	-		-	47		48	20		-	SPACE	
SPACE		-	-		-	49		50	-		-	SPACE	
SPACE		-	-		-	51		52	-		-	SPACE	
SPACE		-	-		-	53		54	-		-	SPACE	
SPACE		-	-		-	55		56	-		-	SPACE	
SPACE		-	-		-	57		58	-		-	SPACE	
SPACE		-	-		-	59		60	-		-	SPACE	
SUBTOTALS		5.0	5.8	6.3					5.2	5.4	5.2		
TOTAL LOADS:		10.3	KVA PHASE A	85.5	A PHASE A		CONNECTED LOAD (REC.):		32.9	KVA			
		11.2	KVA PHASE B	93.0	A PHASE B		DEMAND LOAD (REC.):		21.5	KVA			
		11.5	KVA PHASE C	96.0	A PHASE C		CONNECTED LOAD (LTG):		-				

LOCATION:	NORMAL ELEC. CLOSET 9053W				REMARKS:				PANEL DESIGNATION:			
SERVICE:	120/208 VOLTS, 3 PHASE, 4 WIRE				22 K/W				9LNL3 (NORMAL - WEST)			
MAINS:	125 AMPS				MAIN OVERCURRENT PROTECTION:							
MOUNTING TYPE:	SURFACE				M.C.B.:							
GROUNDING:	GROUND BUS: YES				M.L.O.: 125A POLES: 42							
		CONN. KVA					CONN. KVA					
SERVICE TO:		A	B	C	SIZE	NO.	NO.	SIZE	A	B	C	SERVICE TO:
CORE - LOBBY - REC. (5)	0.90				20	1	-	20	1.08			CORRIDOR - REC. (6)
CORRIDOR - REC (3)		0.54			20	3		4	20	1.08		GERIATRIC TEAMLET - REC (6)
SPACE			-		20	5		6	20		1.08	OFFICES - REC. (6)
TOILET / CLEAN UTIL. - GFI REC. (6)	1.08				20	7	-	8	20	1.08		OFFICES - REC. (6)
PHONE / OFFICE - REC. (4)		0.72			20	9		10	20	1.08		OFFICES - REC. (6)
PHONE / OFFICE - REC. (5)			0.90		20	11		12	20		1.08	OFFICES - REC. (6)
OFFICE / EXAM / TRIAGE - REC. (6)	1.18				20	13	-	14	20	1.08		OFFICES - REC. (6)
TRIAGE / LACT. / INTERVIEW - REC. (6)		1.08			20	15		16	20	1.08		OFFICES - REC. (6)
MICROSCOPE / TEAMLET - REC. (6)			1.08		20	17		18	20		0.90	OFFICES - REC. (6)
MICROSCOPE / TEAMLET - REC. (6)	1.08				20	19	-	20	20	1.08		OFFICES - REC. (6)
TEAMLET / SOILED / INTERVIEW - REC. (6)		1.08			20	21		22	20		1.08	OFFICES - REC. (6)
PAT./STAFF TOIL. / LACT. - GFI REC. (6)			1.08		20	23		24	20		1.08	OFFICES - REC. (6)
GERI. CLERK / TRIAGE / TEAM. - REC. (6)	1.08				20	25	-	26	20	1.08		OFFICE / MOVE CLASSROOM - REC. (6)
GERI. CLERK / TRIAGE / TEAM. - REC. (6)		1.08			20	27		28	20	0.54		MOVE CLASSROOM RM. - REC. (3)
CORRIDOR - REC (6)			1.08		20	29		30	20		0.72	DIABETES OFF. / NOURISH - GFI REC. (4)
SPACE	-	-			-	31	-	32	-	-		SPACE
SPACE	-	-			-	33	-	34	-	-		SPACE
SPACE	-	-			-	35	-	36	-	-		SPACE
SPACE	-	-			-	37	-	38	-	-		SPACE
SPACE	-	-			-	39	-	40	-	-		SPACE
SPACE	-	-			-	41	-	42	-	-		SPACE
SUBTOTALS	5.3	4.5	4.1						5.4	4.9	4.9	
TOTAL LOADS:	10.7	KVA PHASE A	89.3	A PHASE A	CONNECTED LOAD (REC.):				29.1	KVA		
	9.4	KVA PHASE B	78.0	A PHASE B	DEMAND LOAD (REC.):				19.5	KVA		
	9.0	KVA PHASE C	75.0	A PHASE C	CONNECTED LOAD (LTG):				-			
					DEMAND LOAD (LTG):				-			
VOLTAGE: 208 V					TOTAL CONN. LOAD (KVA):				29.1	KVA		
					TOTAL DEMAND LOAD (KVA):				19.5	KVA		
					TOTAL CONN. LOAD (A)				81	A		
					TOTAL DEMAND LOAD (A)				54	A		

LOCATION:				NORMAL ELEC. CLOSET 91065				REMARKS:				PANEL DESIGNATION: 9LN15 (NORMAL – SOUTH)			
SERVICE:				120/208 VOLTS, 3 PHASE, 4 WIRE				22 kW							
MAINS:				150 AMPS				MAIN OVERCURRENT PROTECTION:							
MOUNTING TYPE:				SURFACE				M.C.B.:							
GROUNDING:				GROUND BUS: YES				W.L.O.: 150A POLES: 42							
SERVICE TO:		CONN. KVA			SIZE		NO.		SIZE		CONN. KVA			SERVICE TO:	
		A	B	C							A	B	C		
PAT. EXAM RM. – GFI REC. (4)		0.72			20	1	–	2	20	0.72				PAT. EXAM RM. – GFI REC. (4)	
PAT. EXAM RM. – EXAM TABLE (1)			1.44		20	3		4	20		1.44			PAT. EXAM RM. – EXAM TABLE (1)	
PAT. EXAM RM. – EXAM TABLE (1)				1.44	20	5		6	20			1.44		PAT. EXAM RM. – EXAM TABLE (1)	
PAT. EXAM RM. – EXAM TABLE (1)		1.44			20	7	–	8	20	1.44				PAT. EXAM RM. – EXAM TABLE (1)	
PAT. EXAM RM. – EXAM REC. (4)			1.44		20	9		10	20		1.44			PAT. EXAM RM. – EXAM REC. (4)	
PAT. EXAM RM. – CONV. REC. (4)				0.72	20	11		12	20			0.72		PAT. EXAM RM. – CONV. REC. (4)	
PAT. EXAM RM. – EXAM REC. (4)		0.72			20	13	–	14	20	0.72				PAT. EXAM RM. – EXAM REC. (4)	
PAT. EXAM RM. – GFI REC. (4)			0.72		20	15		16	20		0.72			PAT. EXAM RM. – GFI REC. (4)	
PAT. EXAM RM. – EXAM TABLE (1)				1.44	20	17		18	20			1.44		PAT. EXAM RM. – EXAM TABLE (1)	
PAT. EXAM RM. – EXAM TABLE (1)		1.44			20	19	–	20	20	1.44				PAT. EXAM RM. – EXAM TABLE (1)	
PAT. EXAM RM. – EXAM TABLE (1)			1.44		20	21		22	20		1.44			PAT. EXAM RM. – EXAM TABLE (1)	
PAT. EXAM RM. – EXAM REC. (4)				1.44	20	23		24	20			1.44		PAT. EXAM RM. – EXAM REC. (4)	
PAT. EXAM RM. – CONV. REC. (4)		0.72			20	25	–	26	20	0.72				PAT. EXAM RM. – CONV. REC. (4)	
PAT. EXAM RM. – EXAM REC. (4)			0.72		20	27		28	20		0.72			PAT. EXAM RM. – EXAM REC. (4)	
SPACE				–	–	29		30	20				0.90	P. CARE/TOILET/STOR. – GFI REC. (5)	
SPACE		–			–	31		32	–					SPACE	
SPACE		–			–	33		34	–					SPACE	
SPACE		–			–	35		36	–					SPACE	
SPACE		–			–	37		38	–					SPACE	
SPACE		–			–	39		40	–					SPACE	
SPACE				–	–	41		42	–					SPACE	
SUBTOTALS		5.0	5.8	5.0							5.0	5.8	5.9		
TOTAL LOADS:		10.1	KVA PHASE A	84.0	A PHASE A		CONNECTED LOAD (REC.):				32.6	KVA			
		11.5	KVA PHASE B	96.0	A PHASE B		DEMAND LOAD (REC.):				21.3	KVA			
		11.0	KVA PHASE C	91.5	A PHASE C		CONNECTED LOAD (LTG):				–				
									DEMAND LOAD (LTG):				–		
VOLTAGE: 208 V								TOTAL CONN. LOAD (KVA):				32.6	KVA		
								TOTAL DEMAND LOAD (KVA):				21.3	KVA		
								TOTAL CONN. LOAD (A)				91	A		
								TOTAL DEMAND LOAD (A)				59	A		

LOCATION:	NORMAL ELEC. CLOSET 9106s				REMARKS:				PANEL DESIGNATION:			
SERVICE:	120/208 VOLTS, 3 PHASE, 4 WIRE				22 kW				<div>9LN17</div> <div>(NORMAL - SOUTH)</div>			
MAINS:	125 AMPS				MAIN OVERCURRENT PROTECTION:							
MOUNTING TYPE:	SURFACE				M.C.B.'s :							
GROUNDING:	GROUND BUS: YES				M.L.O.: 125A POLES: 42							
	CONN. KVA				CONN. KVA							
SERVICE TO:	A	B	C	SIZE	NO.	NO.	SIZE	A	B	C	SERVICE TO:	
TEAMLET RM. - REC. (6)	1.08			20	1	-	20	-	-		SPARE	
TEAMLET RM. - REC. (6)		1.08		20	3	-	4	-	-		SPACE	
TEAMLET RM. - REC. (6)			1.08	20	5	-	6	20	-	0.19	SOUTH WING - CORRIDOR WAYFINDING	
TEAMLET RM. - REC. (6)	1.08			20	7	-	8	20	1.51		SOUTH WING - CORRIDOR LTG.	
TEAMLET RM. - REC. (6)		1.08		20	9	-	10	20	1.68		SOUTH WING - LTG.	
TEAMLET/MEDS - REC. (4)			0.72	20	11	-	12	20		1.08	SOUTH WING - LTG.	
TRIAGE RM. - REC. (6)	1.08			20	13	-	14	20	1.44		SOUTH WING - LTG.	
TRIAGE RM. - REC. (6)		1.08		20	15	-	16	20	0.80		SOUTH WING - LTG.	
CORRIDOR - REC (6)			1.08	20	17	-	18	20		0.21	LTG. CONTROL (3)	
CORRIDOR - REC (6)	1.08			20	19	-	20	20	1.49		CORE WING - CORRIDOR LTG.	
MEDS. - GFI REC. (1)		0.18		20	21	-	22	20	0.60		CORE WING - CORRIDOR WAYFINDING	
CLEAN LINEN - REC. (2)			0.36	20	23	-	24	20		0.94	NORTH WING - CORRIDOR LTG.	
I.T. RM. - SECURITY RACK (1)	1.00			30	25	-	26	20	0.27		NORTH WING - CORRIDOR WAYFINDING	
I.T. RM. - DATA RACK (1)		1.00		30	27	-	28	20	1.34		WESTWING - CORRIDOR LTG.	
I.T. RM. - DATA RACK (1)			1.00	30	29	-	30	20		0.32	WEST WING - CORRIDOR WAYFINDING	
SPACE	-	-	-	31	31	-	32	-	-	-	SPACE	
SPACE	-	-	-	33	34	-	-	-	-	-	SPACE	
SPACE	-	-	-	35	36	-	-	-	-	-	SPACE	
SPACE	-	-	-	37	38	-	-	-	-	-	SPACE	
SPACE	-	-	-	39	40	-	-	-	-	-	SPACE	
SPACE	-	-	-	41	42	-	-	-	-	-	SPACE	
SUBTOTALS	5.3	4.4	4.2					4.7	4.4	2.7		
TOTAL LOADS:	10.0	KVA PHASE A	83.5	A PHASE A		CONNECTED LOAD (REC.):		14.2	KVA			
	8.8	KVA PHASE B	73.7	A PHASE B		DEMAND LOAD (REC.):		12.1	KVA			
	7.0	KVA PHASE C	58.2	A PHASE C		CONNECTED LOAD (LTG):		11.7	KVA			
						DEMAND LOAD (LTG):		4.7	KVA			
VOLTAGE: 208 V						TOTAL CONN. LOAD (KVA):		25.9	KVA			
						TOTAL DEMAND LOAD (KVA):		16.8	KVA			
						TOTAL CONN. LOAD (A)		72	A			
						TOTAL DEMAND LOAD (A)		47	A			

Revisions:	Date
ISSUED FOR CONSTRUCTION	08/15/2013

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Baltimore ■ Boston ■ Buffalo ■ Calgary ■ Chicago
Houston ■ Los Angeles ■ Mumbai ■ New York ■ Phoenix
St. Louis ■ San Francisco ■ Shanghai ■ Toronto
Vancouver ■ Victoria ■ Washington DC

Drawing Title

ELECTRICAL SCHEDULES SHEET NO. 2

Approved: Project Director

Project Title

VA NY HARBOR HEALTHCARE SYSTEM
MANHATTAN VAMC - BUILDING 1
9TH FLOOR RENOVATIONS

Location	423 EAST 23RD STREET
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Date _____

Checked

Drawn

BUILDING IS FULLY SPRINKLERED

Project Number

630PR2600

Building Number

1

Drawing Number

Drawing Number

Office of
Construction &
Facilities
Management

VA | U.S. Department
of Veterans Affairs

